

Release
in
full

Region 8



13563

ORDION®

Made in Mexico

(Red Rope Gusset)	Tyvek Gusset	Expansion	Color
1514C	C1515C	1 3/4"	Red Rope
1524E	C1524E	3 1/2"	R. Rope, A,B,G,R,Y
15431		3 1/2"	A,B,G,R,Y
1534G	C1533G	5 1/4"	R. Rope, A,B,G,R,Y
	15444	7"	Red Rope
15428		3 1/2"	B, R
B1524ES		3 1/2"	Red Rope
B1534GS		5 1/4"	Red Rope

*A: assorted, B: blue, G: green, R: red, Y: yellow



Minimum 10%
Post-Consumer
Recycled Content

1044b UIC - EAST POPLAR OIL FIELD ENFORCEMENT CASE
SDWA 1431
Folder ID: 13563 1992 Privileged

East Poplar Oil Field
Enforcement Case
Safe Drinking Water Act §1431
Officer: Nathan Wiser

B1534GS	5 1/4"	Red Rope
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*A: assorted, B: blue, G: green, R: red, Y: yellow



Mimden 10%
Post-Consumer
Recycled Content

Region 8



13563

Count History Doc

EPA NO 28

7-17-1953

11/6/98

Paul

Here are the
records found in
BLM files in Miles
City and sent to
me by Chuck Lockers
of that office.

I didn't think I should
ask for all wells on
the list. I may have
to go there and
review myself if
we need more info. ^{Boyle}

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

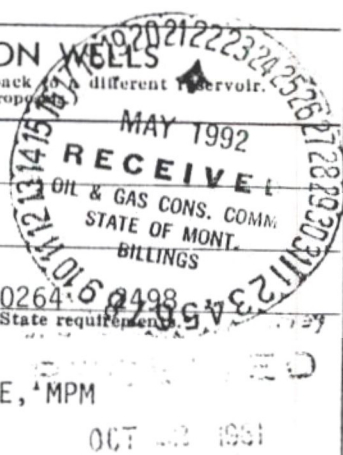
SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DRY HOLE		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0256-4750	
2. NAME OF OPERATOR Juniper Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Lewellyn L. Brown et al	
3. ADDRESS OF OPERATOR 1660 Lincoln St., Ste. 2410, Denver, CO 80264-60498		7. UNIT AGREEMENT NAME None	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL & 1980' FEL Sec. 21, T28N, R51E, MPM Roosevelt Co., Montana		8. FARM OR LEASE NAME Allotted 3047	
14. PERMIT NO. 59261		9. WELL NO. 1-21	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 2061 GL		10. FIELD AND POOL, OR WILDCAT S.W. Poplar	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T28N, R51E	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *		12. COUNTY OR PARISH Roosevelt Co., MT.	
		13. STATE MT.	



NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Well was plugged on 10 September, 1981 as follows:

Set cast iron bridge plug at 5700'. Dumped two sacks cement on top of bridge plug. Cemented top of 5 1/2" csg. with 10 sx. Casing was cut off five feet below ground level and an identifying marker was welded to the casing top.

FINAL ABANDONMENT
APPROVED
Proprietary / Confidential Information
U. S. Gov't Use Only

15. I hereby certify that the foregoing is true and correct

SIGNED See 4.6x, 9

TITLE Staff Production Engineer

DATE October 20, 1981

(This space for Federal or State office use)

APPROVED BY James K. Nye
CONDITIONS OF APPROVAL, IF ANY:

TITLE ADM-MINERALS

DATE DEC 19 1981

*See Instructions on Reverse Side

COPY FORWARDED TO CASPER

(SUBMIT IN QUADRUPPLICATE)

MAC 36-3.18(10)-S18020
 MAC 36-3.18(10)-S18030
 MAC 36-3.18(10)-S18140
 MAC 36-3.18(10)-S18170
 MAC 36-3.18(10)-S18200
 MAC 36-3.18(10)-S18310
 MAC 36-3.18(10)-S18330
 MAC 36-3.18(14)-S18380

NOTICE
 THIS FORM BECOMES A
 PERMIT WHEN STAMPED
 APPROVED BY AN AGENT
 OF THE BOARD.

TO
BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well		Report of Fracturing	
		Report of Csg. set	X

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

October 1, 1980

Following is a ~~notice of intention to drill~~ report of work done on land ~~owned~~ leased described as follows:

LEASE Allotted No. 3047

MONTANA (State) Roosevelt (County) East Poplar (Field)
 Well No. 1 C NWSE Sec. 21 T28N R51E
 (m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from $\frac{N}{S}$ line and 1980 ft. from $\frac{E}{W}$ line of Sec. 21

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2061 GR

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK

RESULT

Spudded 3/15/80. Ran & Cmt'd 35 Jts. 1411.73' of 8 5/8" 24# csg. set @ 1409'. Ran 1 guide shoe 5 centralizers 1st 10' above shoe, one on 5th, 10th, 20th & 30 collar. Cmt'd w/Ha-liburton, 675 sxs Med. light 3% CaCl₂ 350 sxs Class "G" Cmt 3% CaCl for a total of 1025 sxs.

April 1, 1980. 5999' 11 Jts N-80 17#, 138 Jts. 17# J-55. 149' set at t966'. Ran 22 centralizers, 2 cmt. baskets, 60' of scratchers, 1 guide show, 1 float collar. Cmt'd w/Halliburton lite, 1/4# flow seal per sxs. 150 sxs Class "G" cmt w/18% salt., .075 CFR2. Rig Released 4/1/80 @ 8:00 AM.

Approved subject to conditions on reverse of form

Date OCT - 7 1980

By *C. Davis L. Hunter* District Office Agent Title

Company JUNIPER PETROLEUM CORPORATION

By Bruce Patterson *Bruce Patterson*

Title Staff Production Engineer
 1660 Lincoln St., Suite 2410

Address Denver, Colorado 80264

BOARD USE ONLY
 API WELL NUMBER

STATE	COUNTY	WELL
20		

NOTE:—Reports on this form to be submitted to the appropriate District for approval

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL IF WELL NOT SPUDDED OR EXTENSION REQUESTED.

OVER



**Locate well by footage measurement from legal subdivision (Section) line
and nearest drilling or producible well, if any.**

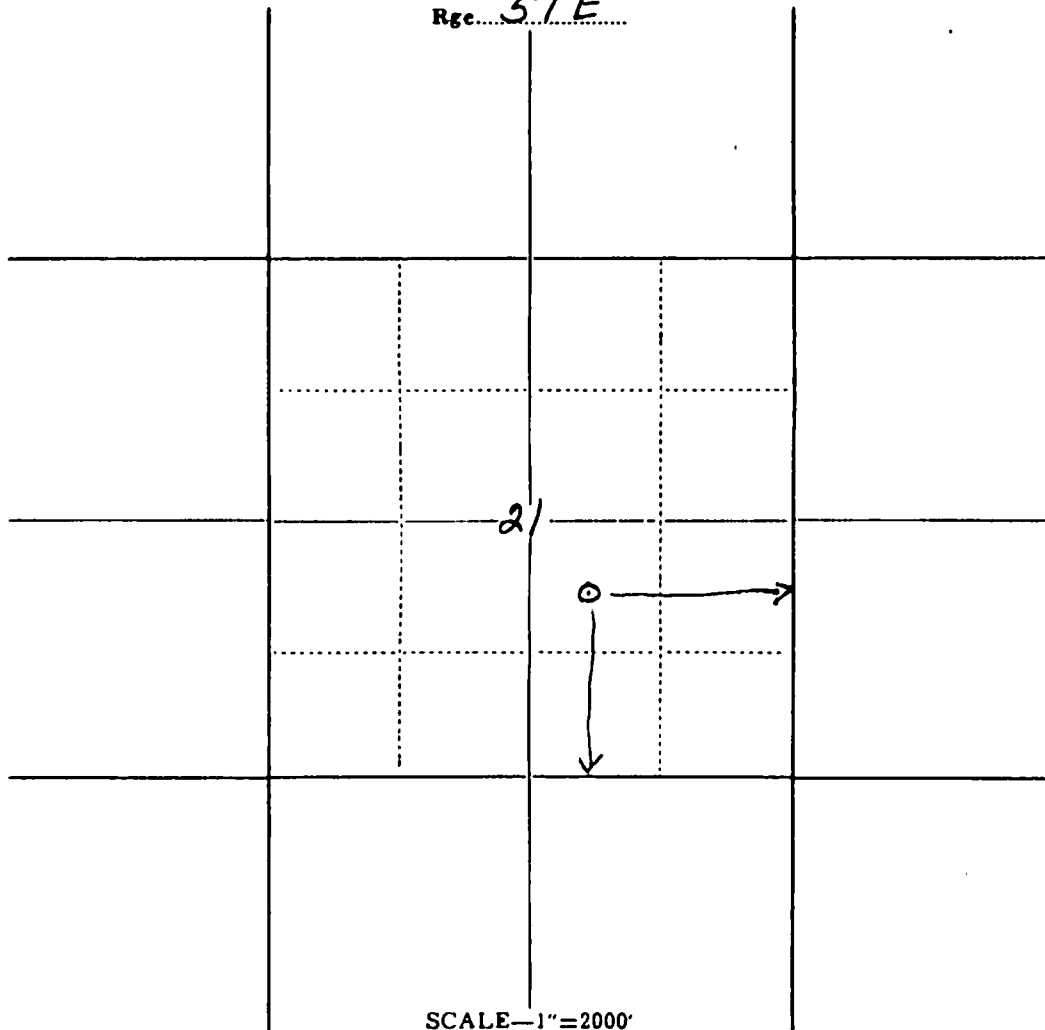
Form No. 2
File at
Billings
or Shelby

Form No. 2
File at
Billings
or Shelby

Locate
Well
Correctly

Twp. 28 N

Rge. 5 E



THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any production casing must be cemented unless a formation shut-off or packer is approved by the Board. Sufficient cement must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 230 and one copy of all cementing records as furnished by the cementing company and described in Rule 234.
11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

Ref. 53

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESERV. ☐ Other ☐

2. NAME OF OPERATOR

Juniper Petroleum Corporation

3. ADDRESS OF OPERATOR

1660 Lincoln St., Ste. 2410, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1980 FSL & 1980 FEL Sec. 21, T28N, R51E, MPM
At top prod. interval reported below Roosevelt Co., Montana
At total depth

14. PERMIT NO.

59261

DATE ISSUED

March 5, 1980

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

15. DATE SPUDDED

3/15/80

16. DATE T.D. REACHED

3/30/80

17. DATE COMPL. (Ready to prod.)

6/13/80

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)*

2061 GR

19. ELEV. CASINGHEAD

2061

20. TOTAL DEPTH, MD & TVD

5966

21. PLUG, BACK T.D., MD & TVD

5929

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-5966

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5902-5918, Charles C-2 Zone, Mississippian

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Laterlog, GR/CNL/FDC

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1409	13 3/4"	1025 sxs Circ. to sfc.	
5 1/2"	17#	5966	7 7/8"	150 sxs	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5751	

31. PERFORATION RECORD (Interval, size and number)

5902-5918, 4 jets per ft., 23 gram charges

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5902-5918	2300 gals of 15% HCL (Acidized)
	6000 gals 28% HCL & 400 gals gel
	wtr. 10000 gals 15% HCL (Acid frac.).

33. PRODUCTION

DATE FIRST PRODUCTION 6/13/80		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 1 1/2" X 8'				WELL STATUS (Producing or shut-in) Shut-in (part'd rods)	
DATE OF TEST 6/13/80	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL. 6 1/2	GAS—MCF. 0	WATER—BBL. 98	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.) 37.5° @ 65° F	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Bruce M. Patterson

TITLE Staff Petroleum Engineer

DATE 10/3/80

(See Instructions and Spaces for Additional Data on Reverse Side)

COPY FORWARDED TO CASPER



DIRECT ANY CORRESPONDENCE TO
P. O. DRAWER 1431
DUNCAN, OKLAHOMA 73533

State

INVOICE
813301

ALL NO AND LAHM

WELL NO AND FARM		COUNTY	STATE	DATE
1-21 ALLOTED 3042		ROOSEVELT	MONT	3-31-80
RANGE TO		OWNER	BUREAU USE ONLY	
JUNIPER PETROLEUM CORP		STATE		
ADDRESS		CONTRACTOR	LOCATION	CODE
1600 Lincoln Bldg Suite 1500		CENTURY DRILLING	1 GLENDAVE	55.530
CITY, STATE, ZIP		SUPPLIED VIA	LOCATION	CODE
DENVER COLO -		CO UEH	2	
		DELIVERED TO	LOCATION	CODE
21-28N-51E		20E	3	
		ORDER NO.	RULE MATERIAL DELIVERY TICKET NO.	B-808372
		TOTAL ACID-30 DAYS	WELL TYPE	CODE
			WILD CAT	WE
		TYPE AND PURPOSE OF JOB		
		LONG STRING 5 1/2		
TERMS: NET DUE BY THE 20TH OF FOLLOWING MONTH. INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE.				

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2	
		L	D		QTY.	MEAS.	QTY.	MEAS.
P000-112				MILEAGE		145	MILE	
P001-016				PUMP CHG		59.16	FT	
504-043				REGULAR C CEMENT		150	SK	
504-118				HALLIBURTON LITE		150	SIS	
509-968				SALT		1125	LB	
502-145				CFR-2		106	LB	
502-202				FLOCELE		38	LB	
P330-015				TOP PLUG		1	EA	5 1/2 IN
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FT.	
500-207				SERVICE CHARGE		316	CU. FT.	
500-314				29069 TOTAL WEIGHT 145	LOADED MILES	2107505	TON MILES	

TAX REFERENCES

SUB

5 JOB SATISFACTORILY COMPLETED? _____

5 OPERATION OF EQUIPMENT SATISFACTORY? _____

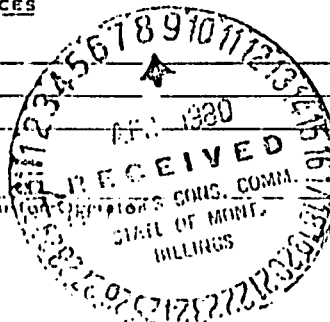
5 PERFORMANCE OF PERSONNEL SATISFACTORY? _____

Bill Marshall
Customer or His Agent

Customer or His Agent

THANK
YOU

D. W. B.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
U. S. Geological Survey

2. NAME OF OPERATOR
JUNIPER PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
1660 Lincoln St., Suite 2410 Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1980' FSL and 1980' FEL Sec. 21, T28N, R51E, MPH
At proposed prod. hole Roosevelt Co., Montana

5. LEASE DESIGNATION AND SERIAL NO.
14-20-025604750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jewellvn J. Brown et al

7. FARM OR LEASE NAME
None

8. WELL NO.
21-21

9. FIELD AND POOL OR WILDCAT
S. W. Poplar

10. SEC. T. R. N. OR BLK. AND SURVEY OR AREA
Sec. 21, T28N R 51E

11. COUNTY OR PARISH
Roosevelt

12. STATE
Montana

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

14. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest title line, if any.)
1980'

15. NO. OF ACRES IN LEASE
80

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.
N.A.

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. PROPOSED DEPTH
6000'

19. ROTARY OR CABLE TOOLS
Rotary

20. ELEVATIONS (Show whether DF, RT, GL, etc.)
Estimated 2100' ground level

21. APPROX. DATE WORK WILL START
March 1, 1980

22. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 5/8"	8 5/8"	32#	1400'	600 sxs
7 7/8"	5 1/2"	15.5# F 17.0#	6000'	500 sxs

It is proposed to drill approximately 6000' to test the Charles "C" zone for oil production. Approximately 1400' of 8 5/8" casing will be cemented with 600 sxs of cement to protect domestic aquifers. If successful, approximately 6000' of 5 1/2" casing will be cemented with 500 sxs of cement. Completion will be attempted by casing perforating and acidizing zone(s) of interest. If uncommercial, the well will be plugged with cement. Mud per government regulations and the surface restored as required.

There is no objection to the location of both sites and the following additional requirements are to be met by the contractor.

Stockpile the top soil (upper 6 inches) for uniform replacement when necessary.

2. Upon completion of operation, drilling site, tank battery site, and access road will be restored to its present use-cropland.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to drill or deepen, describe program. If any.

24. SIGNED A. R. Powell

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
APPROVED BY *Morton H. Hunt* TITLE DISTRICT ENGINEER DATE 3-4-80
CONDITIONS OF APPROVAL, IF ANY: SEE ATTACHED

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
OTHER INSTITUTIONS OR TO
THE BUREAU

Form approved
Budget Bureau No. 42-R1421
LEASE REGISTRATION AND SERIAL NO.

14-20-0256-4750

SUNDRY NOTICES AND REPORTS ON WELLS

Use this form for proposals to drill or to deepen or plug back to a different reservoir
or to change the character of the well.
Use "APPLICATION FOR PERMIT" for other proposals.

1. NAME OF OPERATOR
JUNIPER PETROLEUM CORPORATION

2. ADDRESS OF OPERATOR
1660 Lincoln St., Ste. 2410, Denver, Colorado 80264

3. ADDRESS OF WELL
1980 FSL & 1980 FEL Sec. 21, T28N, R51E, MPM
Roosevelt County, Montana

4. WELL NO.
2061 GL

5. FIELD AND WELL OR WILDCAT
S. W. Poplar

6. SEC. T. R. S. OR BLK. AND
SURVEY OR AREA
Sec. 21, T28N, R51E

7. COUNTY OR PARISH
Roosevelt

8. STATE
Montana

9. PERMIT NO.
59261

10. ELEVATION (SHOW WHETHER OF ST. OR FLD.)
2061 GL

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

11. NOTICE OF INTENTION TO:

WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRAC TURE TREATMENT	MULTIPLE COMPLETION	FRAC TURE TREATMENT	ALTERING CASING
ABANDON	ABANDON	ABANDON	ABANDONMENT
CHANGE PLANS	CHANGE PLANS	CHANGE PLANS	CHANGE PLANS

12. (Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)
Completion or Recompletion Report and Log form.

13. (Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)
Completion or Recompletion Report and Log form.

Propose to plug & Abandon subject well due to low productivity as follows:

1. Set Wireline cast iron bridge plug at 5800' KB with 2 sxs cement on top to plug Charles C-2, Perfs: 5902-5913.
2. Load hole with brine and set 10 sxs surface plug.
3. Cut of 2 5/8" and 5 1/2" casings below blow level, weld on plate and restore to original contour.

I hereby certify that the foregoing is true and correct

SIGNED Kevin M. Fitzgerald TITLE Production Engineer DATE July 13, 1981

APPROVED BY [Signature] TITLE [Signature] DATE 7/13/81

CONDITIONS OF APPROVAL IF ANY:

*See Instructions on Reverse Side

1606 0025

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLE-COPY!
Other instructions on the
cover sheet.Form approved:
Budget Bureau No. 42-R1424.
PLEASE OBSERVE THE SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

To be filled out by the operator of a well or by the owner of a well, or by a person authorized by the owner to operate the well.

1. NAME OF WELL WELL	2. NAME OF OPERATOR Juniper Petroleum Corporation	3. ADDRESS OF OPERATOR 1660 Lincoln St., Ste. 2410, Denver, CO 80264 - 2498	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See space 12 below.) 1980' FSL & 1980' FEL Sec. 21, T28N, R51E, MPH Roosevelt Co., Montana	5. FIELD AND FLOW OR WELL NO. S.M. Pooler 11 SEC. 21, T. 28, N. 51, R. 51, E. 1, S. 4, NE 1/4, Sec. 21, T28N, R51E	6. FIELD AND FLOW OR WELL NO. S.M. Pooler 11 SEC. 21, T. 28, N. 51, R. 51, E. 1, S. 4, NE 1/4, Sec. 21, T28N, R51E
7. PERMIT NO. 59261	8. ELEVATIONS (Show whether SL, PL, OR, ETC.) 2061 GL	9. COUNTY OR PARISH Roosevelt Co.	10. STATE MT	11. COUNTY OR PARISH Roosevelt Co.	12. STATE MT
13. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data					
NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
1. WATER SHUT-OFF	2. PLUG OR ALTER CASING	3. WATER SHUT-OFF	4. REPAIRING WELL	5. PLUG OR ALTER CASING	6. REPAIRING WELL
7. FRACTURE TREAT	8. COMPLETE COMPLETE	9. FRACTURE TREATMENT	10. ALTERING CASING	11. COMPLETE COMPLETE	12. ALTERING CASING
13. SHOOT OR ABANDON	14. ABANDON	15. SHOOTING OR ABANDONING	16. ABANDONMENT	17. SHOOT OR ABANDON	18. ABANDON
19. OTHER	20. OTHER	21. OTHER	22. OTHER	23. OTHER	24. OTHER
NOTE: Report results of multiple completion on Well Completion or Redesign. This Report and Log form.					
14. If well is plugged or otherwise rendered inoperative, state all pertinent details, and give pertinent dates, including estimated date of starting and completion of work. If well is being daily filled, give subsurface locations and measured and true vertical depths for all markers and down hole logs to this work.					

Well was plugged on 10 September, 1981 as follows:

Set cast iron bridge plug at 5700'. Dumped two sacks cement on top of bridge plug. Cemented top of 5 1/2" csg. with 10 sx. Casing was cut off five feet below ground level and an identifying marker was welded to the casing top.

I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Staff Production Engineer DATE October 20, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

1606 0031

=====

W E L L H I S T O R Y

=====

WELL NO.: East Poplar Unit No. 72

LOCATION: SW SE Section 22, Township 28 North, Range 51 East

CONTRACTOR: Zach Brooks Drilling Company

ELEVATION: 2145' Ground ~ 2157' K.B.

SPUDDED: 8:00 A.M., March 16, 1956

COMPLETED: 2:00 A.M., April 8, 1956 (Plugged and Abandoned)

TOTAL DEPTH: 5899' Schlumberger equals 5898' Driller

CASING: 9-5/8" @ 1060.33' with 400 sacks cement

TUBING: None

PERFORATIONS: None

PACKER: None

ACID TREATMENT: None

INITIAL POTENTIAL: Plugged and Abandoned

TYPE COMPLETION: Plugged and Abandoned

RECEIVED

APR 14 1956

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

=====

C O M P L E T I O N D A T A

=====

CASING: Ran and cemented 33 jts. (1048.83') of 9-5/8", 32#, H-40, 8rd. thd., R-2, ST&C, American casing. Landed 11.50' below RKB at 1060.33'. Howco float shoe on bottom and Howco centralizer at 1045'. Cemented with 400 sacks of Ideal regular cement with 2 percent CaCl₂. Circulated approximately 50 sacks of clean cement. Bumped plug with 1000#, released pressure, float held ok. Job complete at 4:00 P.M., 3-18-56. Tested 9-5/8" casing and blowout preventers with 1000# for 30 minutes, held ok.

COMPLETION: Plugged and abandoned 4-8-56. Plugged as follows--

Plug #1, 5850'-5775', 30 sacks Slo-set cement.

Plug #2, 5754'-5629', 50 sacks Slo-set cement.

Plug #3, 5580'-5455', 50 sacks Slo-set cement.

Plug #4, 5366'-5210', 60 sacks Slo-set cement.

Plug #5, 4910'-4990', 35 sacks Slo-set cement.

Plug #6, 830'-900', 30 sacks Slo-set cement.

Bottom of 9-5/8" surface casing.

Plug #7, 8 sacks cement top of 9-5/8" surface casing.

Rig released at 2:00 A.M., 4-8-56.

ELECTRO LOG DATA

TYPE OF LOG

INTERVAL LOGGED

Schlumberger Electrical Survey 2"-----1064'-5898'
 Schlumberger Microlog 5"-----1064'-5898'

LOG TOPS

Eagle-----	1227	(+ 930)
Niobrara-----	2080	(+ 77)
Greenhorn-----	2427	(- 270)
Oraneros-----	2636	(- 479)
Muddy Sandstone-----	3000	(- 843)
Dakota-----	3225	(-1088)
Swift-----	3684	(-1527)
Vanguard-----	4012	(-1855)
Rierdon-----	4197	(-2040)
Piper Shale-----	4357	(-2200)
Gypsum Springs-----	4520	(-2363)
Spearfish-----	4728	(-2571)
Amesden-----	4820	(-2663)
Heath-----	4932	(-2775)
Otter-----	5097	(-2940)
Kibbey Sandstone-----	5238	(-3081)
Kibbey Limestone-----	5386	(-3229)
Madison-----	5486	(-3329)
"A" Zone-----	5580	(-3423)
"B-1" Zone-----	5711	(-3554)
"B-2" Zone-----	5728	(-3571)
"C" Zone-----	5871	(-3714)

=====

D R I L L S T E M T E S T S

=====

- D.S.T. #1: 5842'-5881.5', Halliburton straddle packer test, on show on fractured planes above the "C" Zone Intercrystalline, 1/2" bottom choke, no water cushion. Tool open 2 hours, shut in 30 minutes. Tool opened with very weak blow, continued for one hour and then died. Recovered 5' drilling fluid, no show of oil, gas, or water. IBHFP--15#, FBHFP--15#, BHSIP--68#, Hydro--3365#.
- D.S.T. #2: 5864'-5872', ("C" Zone Intercrystalline porosity), Halliburton single packer test, 1/2" bottom choke, no water cushion. Tool open 4 hours, shut in 30 minutes. Tool opened with weak blow and continued throughout test. Recovered 90' gas, 150' slightly oil-and-mud-cut salt water. IBHFP--15#, FBHFP--65#, BHSIP--2995#, Hydro--3365#.
- D.S.T. #3: 5706'-5722', ("B-1" Zone), Halliburton straddle packer test (drill collars for tail pipe), 1/2" bottom choke, no water cushion. Tool open 4 hours, shut in 30 minutes. Tool opened with very weak blow, decreased to bubble at end of test. Recovered 630' slightly muddy salt water with trace of gas, no show of oil. IBHFP--15#, FBHFP--195#, BHSIP--0#, Hydro--3365#, bottom packer held ok.

TO

SUNDRY NOTICES AND REPORT OF WELLS

**THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.**

Notice of Intention to Drill	XX	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

March 12 1956

Following is a { notice of intention to do work } on land { owned } described as follows:
 { report of work done } { leased }

LEASE..Allotted..1-37-Ind-12954..(8687)

MONTANA
(State)

Roosevelt
(County)

..East Poplar
(Field)

Well No. **72** **SW SE Section 22** **28N** **51E** **M.P.M.**
(m. sec.) (Township) (Range) (Meridian)

The well is located.....660.....ft. from { ~~XX~~ S } South line and.....1979.....ft. from { E } East line of Sec.....22.....

(Locate accurately on Plat on back of this form the well location, and show lease boundary.)

The elevation of the derrick floor above the sea level is 2145' Gr. - 2157' K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK RESULT

Will set approximately 250' of 13-3/8" O.D. pipe with 200 sacks of cement. Total depth is expected to be approximately 6000' so as to evaluate the producing section of the Madison formation. 5-1/2" O.D. casing will be set for production string. Adequate blow-out preventers will be installed.

ATTACHED CHECK FOR \$75.00
FOR DRILLING PERMIT FEE.

AMOUNT RECEIVED
DRILLING PERMIT NO. 2640
RECEIPT NO. 270

Approved H. L. G. L. 3-14-56
Approved subject to conditions on reverse of form

Date 3/16/56

By James K. King Title Superintendent
District Office Agent

Company.....**MURPHY CORPORATION**.....

By Harold Milam
Harold Milam

Title..Division..Production..Superintendent.....

Address 602 Midland Bank Bldg. Billings, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL

Poor Quality Source Document

The following document
images have been
scanned from the best
available source copy.

To view the actual hard copy,
contact the Region VIII Records
Center at (303) 312-6473.

**Locate well by footage measurement from legal subdivision line, lease or property
line and nearest drilling or producible well, if any.**

Form No. 2

File at
Billings
or Shelby

Rge. 51E

Form No. 2

File at
Billings
or Shelby

Locate
Well
Correctly

Locate
Lease
Boundary

Twp. 78N

(Y300) 10081-300-18-1 1011.01

22
②

SCALE—1"=2000'

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the casing and possible productive formation exposed in the process of drilling not otherwise protected.
8. All production strings of casing must be tested by bailing or pressure to determine if there is a tight bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
10. All producing wells must be marked with name, of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

MURPHY 72

869 Form No. 4
(Gen. Rule 206.3 & 231)

RECEIVED

APR 10 1956

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

DATE WELL CORRECTLY

(SUBMIT IN TRIPLICATE)
TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

LOG OF WELL

Company MURPHY CORPORATION Lease E.P.U. Allotted-1-37-Ind-12954 Well No. 72

Address 602 Midland Bank Bldg, Billings, Montana Field (or Area) East Poplar

The well is located 660 ft. from (S) line and 1979 ft. from (E) line of Sec. 22

Sec. 22; T. 28N; R. 51E; County Roosevelt; Elevation 2157' K.B.

Commenced drilling March 16, 19 56; Plugged & Abandoned April 8, 19 56

The information given herewith is a complete and correct record of the well. The summary on this page is for the condition of the well at the above date.

Completed as dry hole
(oil well, gas well, dry hole)

Signed Harold Milam
Title Division Production Superintendent

Date April 13, 1956

IMPORTANT ZONES OF POROSITY

(denote oil by O, gas by G, water by W; state formation if known)

From	to	From	to
From	to	From	to
From	to	From	to
From	to	From	to

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sacks of Cement	Cut and Pulled from
9-5/8"	32#	H-40	8	1060.33'				

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
none used					

COMPLETION RECORD

Rotary tools were used from 0 to 5899'
Cable tools were used from to
Total depth 5899 ft.; Plugged back to -- T.D.; Open hole from to

PERFORATIONS			ACIDIZED, SHOT, SAND FRACED, CEMENTED			
Interval		Number and Size and Type	Interval		Amount of Material Used	Pressure
From	To		From	To		

INITIAL PRODUCTION (See attached Page 2 for plugging)

Well is producing from -- (pool) formation.
I. P. -- barrels of oil per -- hours (pumping or flowing)
-- Mcf of gas per -- hours.
-- barrels of water per -- hours, or -- % W.C.
(OVER)

(SUBMIT IN QUADRUPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

NOTICE

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF WELLS

RECEIVED

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repairing Well	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment of Well	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

March 20, 1956

Following is a ~~notice of intention to drill~~ report of work done on land ~~owned~~ leased described as follows:

LEASE Allotted 1-37-Ind-12954 (3687)

MONTANA
(State)Roosevelt
(County)East Poplar
(Field)Well No. 72 SH SE Section 22 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)The well is located 660 ft. from ~~SS~~ S South line and 1979 ft. from ~~SS~~ E East line of Sec. 22

(Locate accurately on Plat on back of this form the well location, and show lease boundary.)

The elevation of the derrick floor above the sea level is 2157' K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

Spudded at 8:00 A.M., 3-16-56. Ran and cemented 36 jts. 1048.83' of 9-5/8", 32#, H-40, 8rd. thd., R-2, ST&C, American casing. Landed 11.50' below RKB at 1060.33'. Howco float shoe at 1060.33', Howco centralizer at 1045'. Cemented with 400 sacks of Ideal regular cement with 2 percent CaCl₂. Circulated approximately 50 sacks of clean cement. Bumped plug with 1000#, released pressure, float held ok. Job complete at 4:00 P.M., 3-18-56.

Approved *W. L. B. 3-21-56*
Approved subject to conditions on reverse of form

Date 3/22/56

By *John R. King* Title

District Office Agent

Company MURPHY CORPORATION

By *Harold Miller* Harold Miller

Title Division Production Superintendent

Address 602 Midland Bank Bldg, Billings, Mont.

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL

**Locate well by footage measurement from legal subdivision line, lease or property
line and nearest drilling or producible well, if any.**

Form No. 2

File at
Billings
or Shelby

Rge. 5/E

Form No. 2

File at
Billings
or Shelby

Locate
Well
Correctly

Locate
Lease
Boundary

Twp 28 N

SCALE—1"=2000'

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
- No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
- Cable-tool operators must construct an adequate, sumpt to contain all mud and water bailed from the hole.
- Surface or conductor casing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
- Any contemplated change in status of a well such as to plug, and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
- All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
- The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the casing and possible productive formation exposed in the process of drilling not otherwise protected.
- All production strings of casing must be tested by bailing or pressure to determine if there is a tight bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
- All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
- Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
- All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

(SUBMIT IN QUADRUPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

NOTICE!
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF WELLS

FEB 11 1957

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	X
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 10, 1956

Following is a ~~notice of intention to drill~~ { on land { ~~leased~~ } described as follows:

LEASE Allotted 1-37-Ind-12954 (3687)

MONTANA
(State)

Roosevelt
(County)

East Poplar
(Field)

Well No. 72 SW SE Section 22 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located 660 ft. from { ~~XX~~ S } South line and 1979 ft. from { E } East line of Sec. 22

(Locate accurately on Plat on back of this form the well location, and show lease boundary.)

The elevation of the derrick floor above the sea level is 2157' K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

Plugged and abandoned April 8, 1956. Plugged as follows--

Plug #1, 5850'-5775', 30 sacks Slo-set cement.

Plug #2, 5754'-5629', 50 sacks Slo-set cement.

Plug #3, 5580'-5455', 50 sacks Slo-set cement.

Plug #4, 5366'-5210', 60 sacks Slo-set cement.

Plug #5, 4910'-4990', 35 sacks Slo-set cement.

Plug #6, 830'-900', 30 sacks Slo-set cement.

Bottom of 9-5/8" surface casing.

Plug #7, 8 sacks cement top of 9-5/8" surface casing.

Rig released at 2:00 A.M., 4-8-56.

Approved subject to conditions on reverse of form

Date 4-8-57

By [Signature] Title

District Office Agent

Company MURPHY CORPORATION
By [Signature] Harold Milan
Title Division Production Superintendent

Address 602 Midland Bank Bldg, Billings, Mont.

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL

**Locate well by footage measurement from legal subdivision line, lease or property
line and nearest drilling or producible well, if any.**

Form No. 2
File at
Billings
or Shelby

Form No. 2
File at
Billings
or Shelby

<p>Locate Well Correctly</p>	<p>Rge.....</p>	<p>Locate Lease Boundary</p>

SCALE—1"=2000'

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method to act as a tie-in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the casing and possible productive formation exposed in the process of drilling not otherwise protected.
8. All production strings of casing must be tested by balling or pressure to determine if there is a tight bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

ENVIRONMENTAL
PROTECTION AGENCY

Form 9-331
Dec. 1975

JUN 5 1998

UNITED STATES
MONTANA OFFICE
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other SWD Well
2. NAME OF OPERATOR
TXO Production Corp.
3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1803' FNL & 1853' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE
14-20-0256-5066 Ft. Peck
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Buckles
9. WELL NO.
"SWD" #1
10. FIELD OR WILDCAT NAME
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E
12. COUNTY OR PARISH
Roosevelt
13. STATE
Montana
14. API NO.
25-085-21336
15. ELEVATIONS (SHOW DF, KDB, AND WD)
2085' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

1. 50 sxs cmt through perfs (785' - 846').
2. 35 sxs cmt 685' - 615'.
3. 30 sxs cmt @ surface.

Casing was cutoff below surface.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Clouatre TITLE Dr. & Prod. Engineer DATE June 1, 1984

(This space for Federal or State office use)

APPROVED BY /s/ Don Miller TITLE ADM-MINERALS DATE JUN 13 1984
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUN 1984
Bureau of Land
Management
Montana

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other SWD Well

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1803' FNL & 1853' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
14-20-0256-5066 Ft. Peck

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Buckles

9. WELL NO.
"SWD" #1

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E

12. COUNTY OR PARISH
Roosevelt

13. STATE
Montana

14. API NO.
25-085-21336

15. ELEVATIONS (SHOW DF, KDB, AND WD)
2085' GL

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TXO Production Corp. proposes to P & A this well. During plugging operations, the existing perforations will be squeezed and the following plugs will be set:
Set 35 sxs cmt plug above perms.
Set 30 sxs cmt plug @ surf.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Cloutre TITLE Dir. & Prod. Engineer DATE June 1, 1984

(This space for Federal or State office use)

APPROVED BY /s/ Don Miller TITLE ADM-MINERALS DATE JUN 13 1984
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

Contract No.

14-20-0256-5066

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Austin R. Buckles

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Buckles

9. WELL NO.

"SWD" #1

10. FIELD AND POOL, OR WILDCAT

N/A

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 22-T28N-R51E

12. COUNTY OR

PARISH

Roosevelt

13. STATE

Montana

15. DATE SPUDDED

5-13-81

16. DATE T.D. REACHED

5-25-81

17. DATE COMPL. (Ready to prod.)

6-2-81

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

2085' GR

19. ELEV. CASINGHEAD

2086'

20. TOTAL DEPTH, MD & TVD

960'

21. PLUG, BACK T.D., MD & TVD

850'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

Surf → TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

785' - 846'; Judith River

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, GR, CCL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	17#	960	8 3/4"	1310 Sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	680'	685'

31. PERFORATION RECORD (Interval, size and number)

785' - 90'; 0.41"; 21
794' - 97'; 0.41"; 13
807' - 11'; 0.41"; 17
822' - 24'; 0.41"; 9
839' - 46'; 0.41"; 29

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
785' - 846'	500 gal 15% acid

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-16-81		Injection with pump				Active Injection	
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS/OIL RATIO
6-16-81	1	2"	→			222	
DOWNHOLE TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
650		→			3.7 bbl/min		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Jeff Dyke

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

H. J. Kagie

TITLE

Drilling Engineer

DATE

6-18-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

COPY 5

TXO SWD

BUCKLES SWD#1

085-21336
SE NW

LOCATE WELL CORRECTLY

(SUBMIT IN TRIPLICATE)
TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

COMPLETION REPORT



6

Company Texas Oil & Gas Corp. Lease Buckles "SWD" Well No. 1
Address 2705 Montana Avenue, Suite 300
Billings, MT 59101 Field (or Area) E. Poplar
The well is located 1803 ft. from (N) line and 1853 ft. from (W) line of Sec. 22
Sec. 22; T. 28N; R. 51E; County Roosevelt; Elevation 2085' GL
(D.F., R.B. or G.L.)
Commenced drilling 5-13, 1981; Completed 5-25, 1981

The information given herewith is a complete and correct record of the well. The summary on this page is for the condition of the well at the above date.

Completed as injection well
(oil well, gas well, dry hole)
Signed H. J. Kagie
Title Drilling Engineer
Date June 18, 1981

IMPORTANT ZONES OF POROSITY

(denote oil by O, gas by G, water by W; state formation if known)

From <u>776</u> to <u>T.D.; W; Judith River</u>	From _____ to _____
From _____ to _____	From _____ to _____
From _____ to _____	From _____ to _____
From _____ to _____	From _____ to _____

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sacks of Cement	Cut and Pulled from
7"	17#	J-55	8rd	960'	Surf.	960'	1310	

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
2 7/8"	6.5#	J-55	8rd	677'	

COMPLETION RECORD

Rotary tools were used from surface to total depth
Cable tools were used from _____ to _____
Total depth 960 ft.; Plugged back to 850' T.D.; Open hole from _____ to _____

PERFORATIONS			ACIDIZED, SHOT, SAND FRACED, CEMENTED		
Interval		Number and Size and Type	Interval		Pressure
From	To		From	To	
785	790	4 JSPF w/			
794	797	2 1/8" expen.			
807	811	tbg. gun. (0.41")			
822	824				
839	846				

(If P&A show plugs above)

INITIAL PRODUCTION

injecting into Judith River
Well is producing from (pool) formation.
I. P. 3.7 wtr barrels of oil per minute hours at 650 psi tubing pressure
(pumping or flowing)
_____ Mcf of gas per _____ hours.
_____ barrels of water per _____ hours, or _____ % W.C.
(OVER)

(SUBMIT IN QUADRUPPLICATE)

MAC 36-3.18(10)-S18020
 MAC 36-3.18(10)-S18030
 MAC 36-3.18(10)-S18140
 MAC 36-3.18(10)-S18170
 MAC 36-3.18(10)-S18200
 MAC 36-3.18(10)-S18310
 MAC 36-3.18(10)-S18330
 MAC 36-3.18(14)-S18380

NOTICE
 THIS FORM BECOMES A
 PERMIT WHEN STAMPED
 APPROVED BY AN AGENT
 OF THE BOARD.

TO
 BOARD OF OIL AND GAS CONSERVATION
 OF THE STATE OF MONTANA

BILLINGS OR SHERIDAN

SUNDRY NOTICES AND REPORT OF WELL

Notice of Intention to Drill	Water Disp. Well XX	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off		Subsequent Report of Sealing Casing
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing		Supplementary Well History
Notice of Intention to Abandon Well		Report of Fracturing

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 8,

81

Following is a notice of intention to do work on land ~~owned~~ ~~leased~~ described as follows:

LEASE Buckles

MONTANA
(State)

Roosevelt

(County)

F. Poplar
(Field)

Well No. SWD #1 SE NW-22 T28N R51E MPM
 (m. sec.) (Township) (Range) (Meridian)

The well is located 1803 ft. from N line and 1853 ft. from W line of Sec. 22

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground ~~XXXX~~ above the sea level is 2085

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

1. Drill 8 3/4" hole to \pm 950'. Set 7", 20#, K-55 casing and cement to surface.
2. Perforate the Judith River Formation and complete as a salt water disposal well, at an estimated rate of 1000 BWPD at \pm 400 psi.

FILING WITH THE COMMISSION ALL LOGS,
 REPORTS, SURVEYS AND ANALYSES MADE
 OR RUN IS REQUIRED IN ACCORDANCE WITH
 RULE NO. 230.

SALTWATER PITS SHALL BE IMPERMEABLE

Approved subject to conditions on reverse of form

Company Texas Oil & Gas Corp.

Date 9-28-81

By H. J. Kagie

By District Office Agent

Title Drilling Engineer
 Address 2705 Montana Avenue, Suite 300
 Billings, Montana 59101

BOARD USE ONLY
API WELL NUMBER

STATE COUNTY WELL
 31 0815 21336

NOTE:—Reports on this form to be submitted to the appropriate District for approval

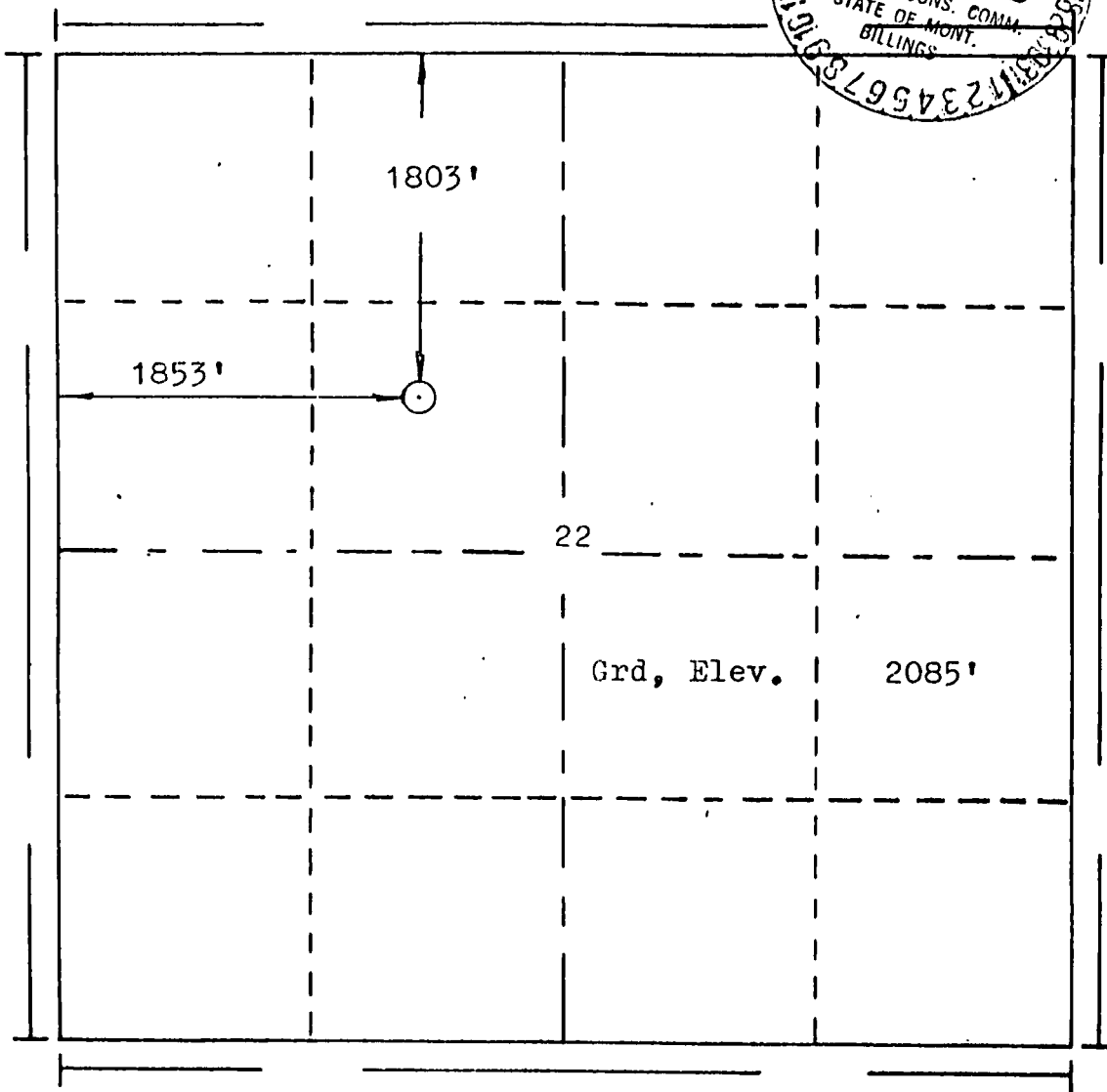
WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 90 DAYS FROM DATE OF
 APPROVAL IF WELL NOT SPUNDED OR EXTENSION REQUESTED.

OVER

4



R. 51E



T. 28N

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from Joe Kagie
for Texas Oil & Gas
determined the location of Buckles S.W.D. #1
to be 1803'fN 1853'fW Section 22 Township 28N
Range 51E of the Montana principal Meridian
Roosevelt County, Montana

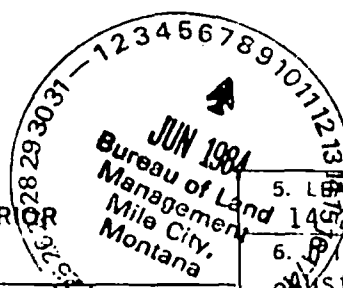
I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
Buckles S.W.D. #1

Date: 6May81

T. Walden

Licensed Land Surveyor No. 2134S
State of Montana

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other SWD Well
2. NAME OF OPERATOR
TXO Production Corp.
3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1803' FNL & 1853' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:
☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE
14020-0256-5066 Ft. Peck
6. INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Buckles
9. WELL NO.
"SWD" #1
10. FIELD OR WILDCAT NAME
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E
12. COUNTY OR PARISH
Roosevelt
13. STATE
Montana
14. API NO.
25-085-21336
15. ELEVATIONS (SHOW DF, KDB, AND WD)
2085' GL

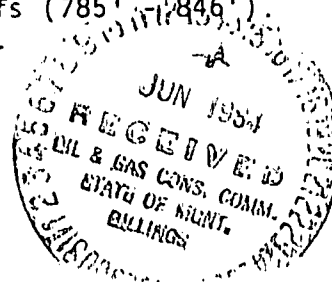
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

1. 50 sxs cmt through perms (785' - 846')
2. 35 sxs cmt 685' - 615'
3. 30 sxs cmt @ surface.

Casing was cutoff below surface.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Clouatre TITLE Dr. & Prod. Engineer June 1, 1984

APPROVED BY /s/ Don Miller TITLE ADM-MINERALS DATE JUN 13 1984
CONDITIONS OF APPROVAL, IF ANY:

(SUBMIT IN QUADRUPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

ARM 36.22.307
ARM 36.22.601
ARM 36.22.602
ARM 36.22.603
ARM 36.22.604
ARM 36.22.605

ARM 36.22.1003
ARM 36.22.1004
ARM 36.22.1013
ARM 36.22.1301
ARM 36.22.1306
ARM 36.22.1309

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	<i>SWD</i> <input checked="" type="checkbox"/>
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well	XXXXX	Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 21

1984

Following is a { notice of intention to do work } on land { owned } described as follows:
report of work done { leased }

LEASE Buckles

MONTANA Roosevelt (State) (County) East Poplar (Field)

Well No. "SWD" #1 SE NW 22 28N 51E
(m. sec.) (Township) (Range) (Meridian)

The well is located 1803 ft. from N line and 1853 ft. from W line of Sec. 22

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2085'

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths in objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

TXO Production Corp. proposes to P & A this well. During plugging operations, the existing perforations will be squeezed and the following plugs will be set:

Set 35 sxs cmt plug above perms.

Set 30 sxs cmt plug @ surface.

Verbal approval was given by Claire Houghy at the Montana Board of Oil & Gas Conservation in Billings on 5-21-84.

Note:

no subsequent report of abandonment
check Federal form approved 6-13-84

Approved subject to conditions on reverse of form

Date JUN 18 1984

By Claire Houghy
District Office Agent

Title

Company TXO Production Corp.

By M. David Cloutre
M. David CloutreTitle Drilling & Production Engineer
1800 Lincoln Center Building

Address Denver, CO 80264

BOARD USE ONLY
API WELL NUMBER

STATE	COUNTY	WELL
28		

NOTE:—Reports on this form to be submitted to the appropriate District for approval
DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

OVER

P & A - MONTANA

BUCKLES "SWD" #1
Roosevelt Co./22-28N-51E



- 05/24/84 SITP 240#, SICP 235#. RU Halliburton. Test lines to 2000#. Pump 20 bbls fresh wtr. Had 500# @ 4 BPM. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Couldn't obtain squeeze after 10 bbls fresh wtr pumped. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Obtain squeeze w/ 5.5 bbls total flush @ 1000#. SWI for 20 min. Bled press to 500#. SWI. SDFN. DW: 2900. CW: 2900.
- 05/26/84 RU Allison Rig #8. ND wellhead. NU BOP. Attempt to release pkr. No tension on tbg. TOOH w/ 2-7/8" tbg & Model "AD-1" pkr. TIH w/ tbg to 685'. RU Halliburton. Pump 35 sxs Cl "G" cmt from 685-615'. TOOH & LD tbg. Pump 30 sxs surf plug. RD Halliburton. ND BOP. RD Allison & RR @ 2 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 8778. CW: 11,678.

2-10-83
BIA
B-10-1

ENVIRONMENTAL
PROTECTION AGENCY

Form 9-331
Dec. 1973

NOV 5 1998

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MONTANA OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
TXO Production Corp.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL & 1980' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE
14-20-0256-5066 Ft. Peck
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Buckles
9. WELL NO.
"A" #1
10. FIELD OR WILDCAT NAME
East Poplar Field
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E
12. COUNTY OR PARISH
Roosevelt
13. STATE
Montana
14. API NO.
25-085-21267
15. ELEVATIONS (SHOW DF, KDB, AND WD)
2085' GL, 2097' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

1. 25 sxs cmt through perfs (5796' - 5800').
2. 35 sxs cmt 5670' - 5370'.
3. 55 sxs cmt 1300' - 1170' (50' below 5 1/2" csg stub @ 1250' & 50' above 8-5/8" csg shoe @ 1220').
4. 50 sxs cmt 950' - 800' (25' above & 25' below Judith River)
5. 15 sxs cmt @ surface

Casing was cutoff below surface.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Cloutre TITLE Drlg. & Prod. Engineer June 1, 1984

(This space for Federal or State office use)

APPROVED BY /s/ Don Miller TITLE ADM-MINERALS DATE JUN 13 1984
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUN 1984
Bureau of Land
Management
Miles City
Montana

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
TXO Production Corp.
3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, CO 80264
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL & 1980' FWL (SE NW)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.

- | REQUEST FOR APPROVAL TO: | SUBSEQUENT REPORT OF: |
|---|--------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (other) <input type="checkbox"/> | <input type="checkbox"/> |

5. LEASE
14-20-0256-5066 Ft. Peck
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Austin R. Buckles
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Buckles
9. WELL NO.
"A" #1
10. FIELD OR WILDCAT NAME
East Poplar Field
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 22, T28N-R51E
12. COUNTY OR PARISH
Roosevelt
13. STATE
Montana
14. API NO.
25-085-21267
15. ELEVATIONS (SHOW DF, KDB, AND WD)
2085' GL, 2097' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Due to uneconomic production, TXO Production Corp. proposes to P&A the above well. During plugging operations, the existing perforations will be squeezed and the following plugs will be set:

- Set 35 sxs cmt plug above perms.
- Set cmt plug 50' in and 50' out of prod. csg stub
- Set cmt plug 50' in and 50' out of surf csg shoe
- Set cmt plug 25' above and 25' below Judith River
- Set 15 sxs cmt plug @ surface.

Verbal approval was given by Don Miller at the BLM's Miles City office on May 21, 1984.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. David Clouatre TITLE Drlg. & Prod. Engineer June 1, 1984

(This space for Federal or State office use)

/s/ Don Miller

ADM-MINERALS

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE JUN 1 1984

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

Contract No. 10.

5. MAXIMUM DEPTH OF WELL (FEET)

14-20-0256-5066

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Austin R. Buckles

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Buckles

9. WELL NO.

"A" No. 1

10. FIELD AND POOL, OR WILDCAT

F. Ponlar

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22-T28N-R51F

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ U. S. Geological Survey

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐ RECEIVED

2. NAME OF OPERATOR

Texas Oil & Gas Corp.

MAY 16 1981

3. ADDRESS OF OPERATOR

Suite 300, 2705 Montana Ave. Billings, MT 59101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1980' FNL & 1980' FNL

At top prod. interval reported below SAME

At total depth SAME

14. PERMIT NO.

DATE ISSUED

3-25-81

15. DATE STUDDED

4-1-81

16. DATE T.D. REACHED

4-15-81

17. DATE COMPL. (Ready to prod.)

5-4-81

18. ELEVATIONS (DF, RRB, RT, OR, ETC.)*

2097' RKB

19. ELEV. CASINGHEAD

2085' GL

20. TOTAL DEPTH, MD & TVD

5937'

21. PLUG BACK T.D., MD & TVD

5872'

22. IF MULTIPLE COMPL., HOW MANY*

NA

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

5937'

CABLE TOOLS

None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Top @ 5800', BTM @ 5850' Charles "C" formation

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-MSFL, GR-CNL-FDC, BHC Sonic

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1220'	12 1/4"	1000 sx Class "G" & 150 sx Cal-Seal circ. to surface	N/A
5 1/2"	15 1/2 & 17#	5933'	7 7/8"	120 sx @ shoe	N/A
		DV tool @ 5200'		440 sx @ DV tool	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2 7/8"	5670'	5610'

31. PERFORATION RECORD (Interval, size and number)

5796 - 5800', .33" dia., 17 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5796-5800'	250 gals. 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5-4-81		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-10-81	24	12/64"	→	82	NR	887	NR
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
415	pkf.	→	82	NR	887	36.6	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Texas Oil & Gas Corp.

35. LIST OF ATTACHMENTS

DST Report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Leo G. Neath

TITLE

Project Engineer

DATE

May 11, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

COPY FORWARDED TO CASPER

(SUBMIT IN TRIPLICATE)

Indian Agency Ft. Peck



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allotted 1-37-Ind-12954

Lease No. E.P.U. (3687)

ENVIRONMENTAL
PROTECTION AGENCY

NOV 5 1998

SUNDRY NOTICES AND REPORTS ON WELLS

MONTANA OFFICE

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Apr-11 10, 19 56

Well No. 72 is located 660 ft. from S line and 1979 ft. from E line of sec. 22

SW SE Section 22
(1/4 Sec. and Sec. No.)

23N
(Twp.)

51E
(Range)

M.P.M.
(Meridian)

East Poplar
(Field)

Roosevelt
(County or Subdivision)

Montana
(State or Territory)

The elevation of the derrick floor above sea level is 2157 ft. K.B.

DETAILS OF WORK

ORIGINAL FORWARDED TO CASPER

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Plugged and abandoned April 8, 1956. Plugged as follows--

- Plug #1, 5850'-5775', 30 sacks Slo-set cement.
- Plug #2, 5754'-5629', 50 sacks Slo-set cement.
- Plug #3, 5580'-5455', 50 sacks Slo-set cement.
- Plug #4, 5366'-5210', 60 sacks Slo-set cement.
- Plug #5, 4910'-4990', 35 sacks Slo-set cement.
- Plug #6, 830'-900', 30 sacks Slo-set cement.

Bottom of 2-5/8" surface casing.

Plug #7, 8 sacks cement top of 2-5/8" surface casing.

FEB 6 - 1957

Approved

(Sgt. Sgd.) H. H. PERZIG

District Engineer

Rig released at 2:00 A.M., 4-8-56.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company MURPHY CORPORATION

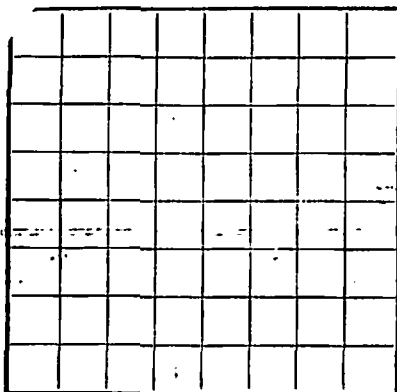
Address 602 Midland Bank Bldg.

Billings, Montana

By Harold Milan
Harold Milan

Title Division Production Superintendent

Billings

U. S. LAND OFFICE **Allotted 1-37-Ind-12954**
SERIAL NUMBER
LEASE OR PERMIT **E.P.U. (3687)**

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **MURPHY CORPORATION** Address **602 Midland Bank Bldg, Bigs, Montana**
 Lessor or Tract **E.P.U. Allotted-1-37-Ind-12954** Field **East Poplar** State **Montana**
 Well No. **72** Sec. **22** T. **28N** R. **51E** Meridian **M.P.M.** County **Roosevelt**
 Location **660** ft. **N** of **S** Line and **1979** ft. **E** of **E** Line of **Section 22** Elevation **2157'** K.B.
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

*Harold M. ...*Date **April 13, 1956**Title **Division Production Supt.**

The summary on this page is for the condition of the well at above date.

Commenced drilling **March 16**, 19 **56** **Plugged & Abandoned** **April 8**, 19 **56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	32	8	American 1048.83'	Howce					surface
HISTORY OF OH OF CASING									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	1060.33'	400	Pump & Plug		

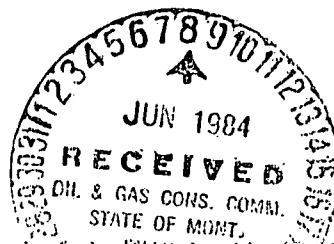
PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

P & A - MONTANA

BUCKLES "A" #1

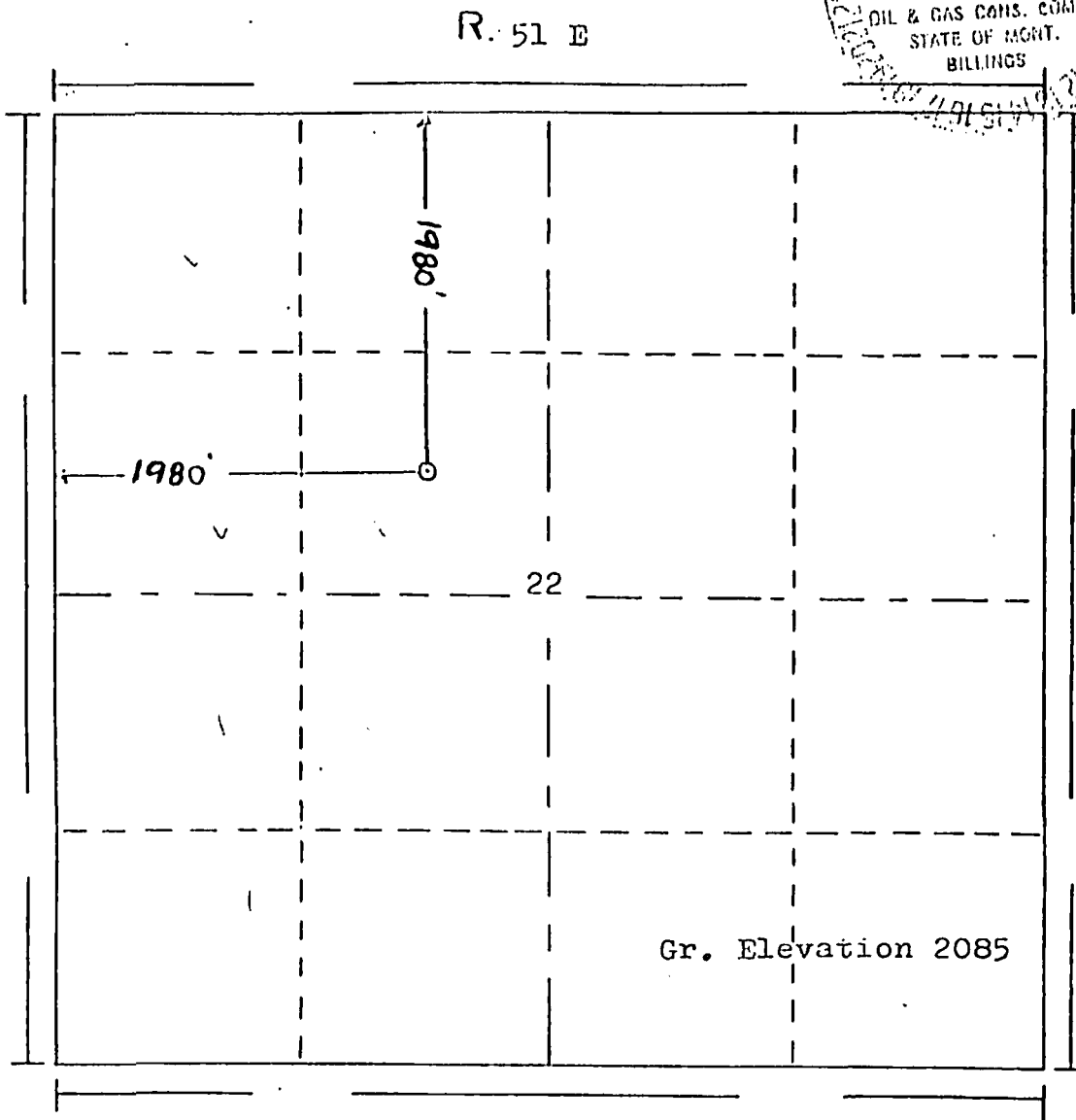
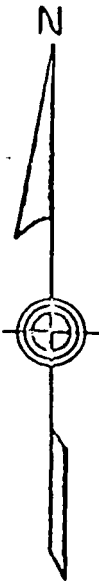
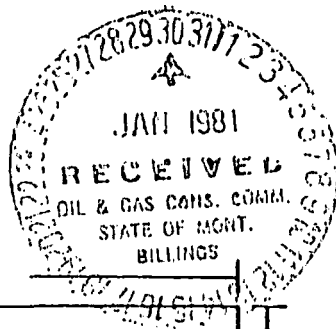
Roosevelt Co./22-28N-51E



- 05/23/84 5870' PBDT, RU Halliburton. Pump 50 bbls produced w/ dn tbg. Had 1250# @ 5 BPM. Pump 5 bbls fresh wtr. Pump 25 sxs Cl "G" cmt w/ .2% HR-8 retarder. Flush w/ 34 bbls produced wtr. Start to stage cmt for squeeze. Dspl w/ 35.4 bbls total @ end of squeeze. Obtain squeeze w/ 1250# TP. Bled back to 500# TP. SIFN. DW: 2050. CW: 2050.
- 05/24/84 5870' PBDT, SITP 1570#, SICP 475#. Blew dn tbg & annulus. Had no indication of fluid entry. DW: 200. CW: 2250.
- 05/26/84 5870' PBDT, RU Allison Rig #14. ND wellhead. NU BOP. Sting out of pkr. Pull up 10' w/ 2-7/8" tbg. RU Halliburton. Pump 35 sxs Cl "G" cmt from 5670-5370'. TOOH w/ tbg. ND csg head. Weld 5' pup jt on 5-1/2" csg. Attempt to pull out of slips. Pull 120,000#. Wouldn't pull out. Chain csg dn to wellhead. RU Praire WL. Attempt to RIH w/ csg cutter. Hit tight spot @ 669'. POOH. RIH w/ 4-1/2" gauge ring to 1400'. POOH. RIH w/ smaller OD cutter to 1250'. Cut csg. Csg came free, broke chain, stopped 5' out of slips. RD Praire WL. TOOH & LD 1250' of 5-1/2" csg. TIH to 1300' w/ tbg. RU Halliburton. Pump 55 sxs Cl "G" cmt from 1300-1170'. TOOH & LD tbg to 950'. Pump 50 sxs from 950-800'. TOOH & LD tbg. Pump 15 sxs @ surf. RD Halliburton. ND wellhead. RD Allison & RR @ 7:30 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 19,424. CW: 21,674.



FORM F-106



Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from Charlie Curlee
for Texas Oil & Gas Corp.
determined the location of Buckles A #1
to be 1980fml, 1980fwl Section 22 Township 28 N
Range 51 E of the Montana Principle Meridian
Roosevelt County, Montana

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
Buckles A #1

Date: 1-7-81

T. Wilson
Licensed Land Surveyor No. 2134S
State of Montana

(SUBMIT IN QUADRUPLICATE)

TO

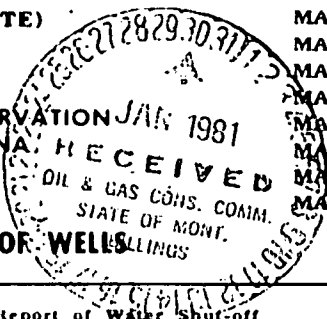
NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

BELLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

MAC 36-3.18(10)-S18020
MAC 36-3.18(10)-S18030
MAC 36-3.18(10)-S18140
MAC 36-3.18(10)-S18170
MAC 36-3.18(10)-S18200
MAC 36-3.18(10)-S18310
MAC 36-3.18(10)-S18330
MAC 36-3.18(14)-S18380



Notice of Intention to Drill	XX	Subsequent Report of Water Shut-off	75
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

.....January 27,....., 19 81

Following is a } notice of intention to do work { on land } owned } described as follows:
report of work done { } leased { }

LEASE Buckles

MONTANA
(State)

Roosevelt
(County)

E. Poplar
(Field)

Well No. A-1 C-5E-1NW 22 T28N R51E MPM
(m. sec.) (Township) (Range) (Meridian)

The well is located ... 1980 ft. from } N } line and ... 1980 ft. from } E } line of Sec... 22

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or ~~ice~~, above the sea level is .. 2085'

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show glze, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK RESULT

NO drill cutting samples required

1. Drill 12 $\frac{3}{4}$ " hole to + '1200'. Set 8 5/8", 24#, K-55, casing and cement to surface.
2. Drill 7 7/8" hole to + '6000'. Log, evaluate, and if warranted set 5 $\frac{1}{2}$ ", 15.5# & 17#, K-55 casing at + '6000', with 700 SX cement.
3. Perforate Mission Canyon and complete as a single oil well.

FILING WITH THE COMMISSION ALL LOGS,
ANALYSES AND ANALYSES MADE
OF THE ... WITH
REF NO. 230.

SALTWATER PITS SHALL BE IMPERMEABLE

Approved subject to conditions on reverse of form

Date..... 2-4-81

By [Signature]
District Office Agent

Company.....Texas Oil and Gas Corp.

By.....Leo A. Heath

Title District Engineer

Title 2705 Montana Avenue, Suite 300

Address Billings, Montana 59101

248-4330

NOTE:—Reports on this form to be submitted to the appropriate District for approval
 DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN
 REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

OVER

BOARD USE ONLY			
API WELL NUMBER			
2	5	0815	21267
STATE	COUNTY	WELL	

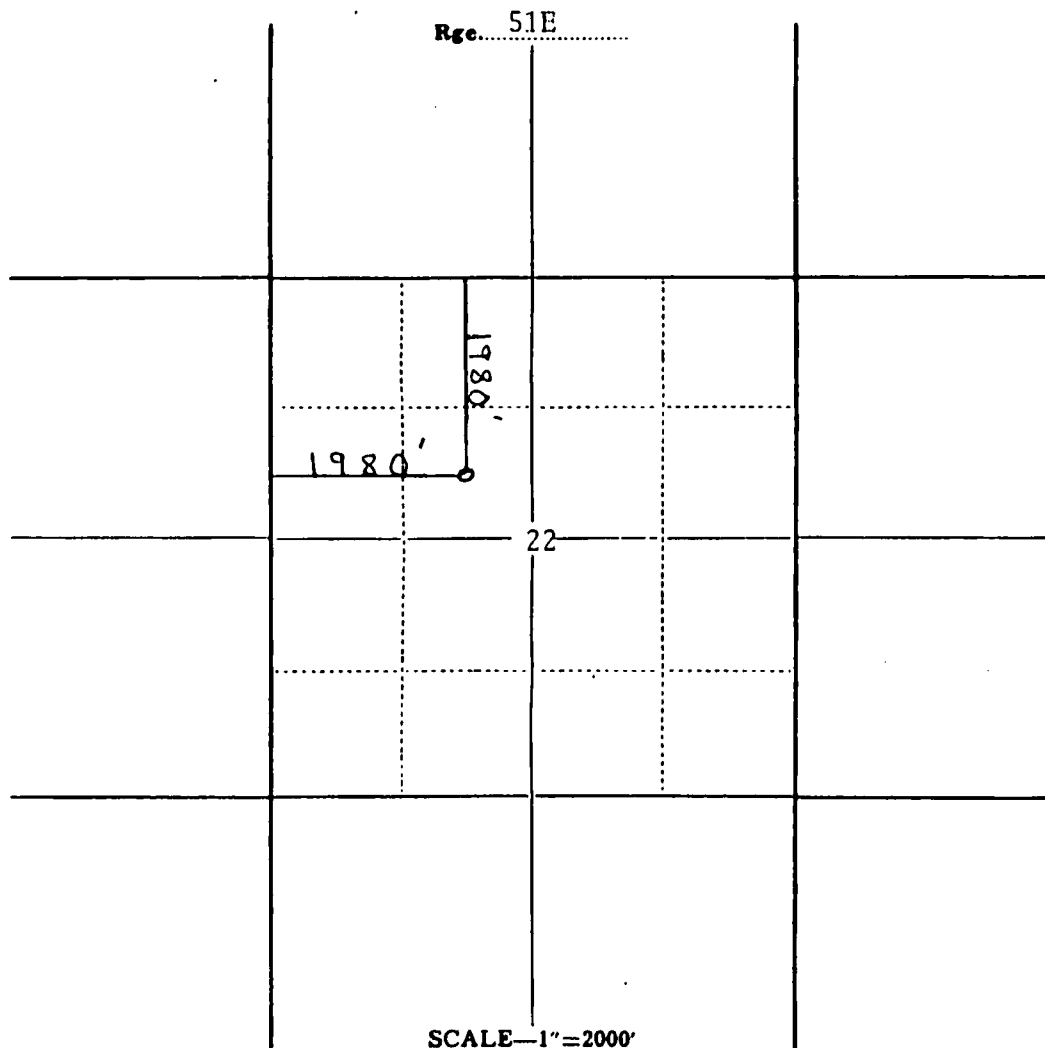
**Locate well by footage measurement from legal subdivision (Section) line
and nearest drilling or producible well, if any.**

Form No. 2
File at
Billings
or Shelby

Form No. 2
File at
Billings
or Shelby

Locate
Well
Correctly

Twp. 28N



THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any production casing must be cemented unless a formation shut-off or packer is approved by the Board. Sufficient cement must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 36-3.18(10)-S18310 and one copy of all cementing records as furnished by the cementing company and described in Rule 36-3.18(10)-S18350.
11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

(SUBMIT IN QUADRUPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

ARM 36.22.307 ARM 36.22.1003
ARM 36.22.601 ARM 36.22.1004
ARM 36.22.602 ARM 36.22.1013
ARM 36.22.603 ARM 36.22.1301
ARM 36.22.604 ARM 36.22.1306
ARM 36.22.605 ARM 36.22.1309

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment <i>Produced</i>	XXXXX
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 29, 1984

Following is a notice of intention to do work { on land } owned { described as follows:
report of work done { leased }

LEASE Buckles

MONTANA Roosevelt

(County)

East Poplar

(Field)

Well No. "A" #1 C.S.E.N.W. 22 28N 51E
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from N line and 1980 ft. from E line of Sec. 22

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2085.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

1. 25 sxs cmt through perfs (5796'-5800').
2. 35 sxs cmt 5670'-5370'.
3. 55 sxs cmt 1300'-1170' (50' below 5½" csg stub @ 1250' & 50' above 8-5/8" csg shoe @ 1220').
4. 50 sxs cmt 950'-800' (25' above & 25' below Judith River).
5. 15 sxs cmt @ surface.

Casing was cutoff below surface.

LOCATION INSPECTED & APPROVED

Approved subject to conditions on reverse of form

Date JUN 18 1984

By *Clair Hughes*
District Office Agent

Title

Company TNO Production Corp.

By *M. David Cloutre*
M. David CloutreTitle Drilling & Production Engineer
1800 Lincoln Center Building

Address Denver, CO 80264

BOARD USE ONLY
API WELL NUMBER

NOTE:—Reports on this form to be submitted to the appropriate District for approval
DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN
REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

OVER

**Locate well by footage measurement from legal subdivision (Section) line
and nearest drilling or producible well, if any.**

Form No. 2
File at
Billings
or Shelby

Form No. 2
File at
Billings
or Shelby

Locate
Well
Correctly

Twp......

		Rge.....			

SCALE—1"=2000'

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any production casing must be cemented unless a formation shut-off or packer is approved by the Board. Sufficient cement must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 36.22.1013 and one copy of all cementing records as furnished by the cementing company and described in Rule 36.22.1241.
11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

LOCATE WELL CORRECTLY

(SUBMIT IN TRIPLICATE)
TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

COMPLETION REPORT



6

Form No. 4
(Gen. Rule 206.3 and 230)

Company Texas Oil & Gas Corp. Lease Buckles "A" Well No. 1
Address 2705 Montana Ave. Suite 300 Billings, MT 59101 Field (or Area) East Poplar
The well is located 1980 (N) ft. from XX line and 1980 (W) ft. from (W) line of Sec. 22
Sec. 22; T. 28N; R. 51E; County Roosevelt; Elevation 2097' RKB
(D.F., R.B. or G.L.)
Commenced drilling April 1, 1981; Completed May 4, 1981

The information given herewith is a complete and correct record of the well. The summary on this page is for the condition of the well at the above date.

Completed as oil well
(oil well, gas well, dry hole)
Signed Leo A. Neath
Title Project Engineer
Date 5-11-81

IMPORTANT ZONES OF POROSITY

(denote oil by O, gas by G, water by W; state formation if known)

From <u>5796'</u> to <u>5800'</u> <u>O, G, & W</u>	From _____ to _____
From _____ to _____	From _____ to _____
From _____ to _____	From _____ to _____
From _____ to _____	From _____ to _____

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sacks of Cement	Cut and Pulled from
8 5/8"	24	K-55	ST&C	1220'	Surf.	1220'	1000 sx CL	"G" N/A
5 1/2"	15.5 & 17	K-55	ST&C	5933'	Surf.	5933'	& 150 sx Cal-Seal	N/A
				DV tool @ 5200'			120 sx @ shoe	
							440 sx @ DV tool	

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
2 7/8"	6.5	J-55	8rd	5670'	Open end.

COMPLETION RECORD

Rotary tools were used from surface to 5934'
Cable tools were used from NA to _____
Total depth 5934' ft.; Plugged back to 5872' T.D.; Open hole from None to _____

PERFORATIONS			ACIDIZED, SHOT, SAND FRACED, CEMENTED			
Interval		Number and Size and Type	Interval		Amount of Material Used	Pressure
From	To		From	To		
5796	5800	17 shots, .33" dia. jets	5796	5800	250 gal 15% HCL	Max 900 psi

(If P&A show plugs above)

INITIAL PRODUCTION

Well is producing from Charles "C" (pool) formation.
I. P. 82 barrels of oil per 24 hours Flowing
(pumping or flowing)
NR Mcf of gas per _____ hours.
887 barrels of water per 24 hours, or 91 % W.C.
(OVER)

ENVIRONMENTAL
PROTECTIVE AGENCY

(SUBMIT IN TRIPLICATE)

Land Office Billings

Lease No. 3LM-A-012215

Unit East Poplar Unit

NOV 5 1998
UNITED STATES
DEPARTMENT OF THE INTERIOR
MONTANA OFFICE GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 16, 1953

Well No. 3-G is located 1155 ft. from Y line and 1155 ft. from W line of sec. 23

NE 1/4 SW 1/4 Sec. 23 28N 51E Principal
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

East Poplar Roosevelt Montana
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 2201 ft.

JAN 24 1953

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. # 3-G. 854 feet. Ran Schlumberger. No gas show. Plugged well with 10 sacks cement at the bottom of the surface pipe. Placed a four inch pipe marker in the top and cemented with five sacks.

Plugged and abandoned, 12-10-52.

12-10-52.

W 466 3849

Approved: 1-19-53
H. J. Remington

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy Corporation

Address Box 76

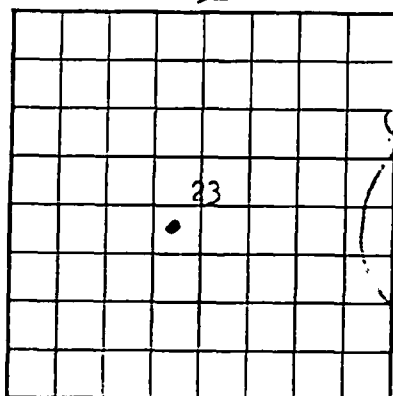
Poplar, Montana

By Harold Melan

Title District Production Surt.

Form 9-330

R 51E

Budget Bureau No. 42-R355.1.3
Approval expires 11-30-49.U. S. LAND OFFICE Billings
SERIAL NUMBER BIM-A-Q12245
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

COPY RETAINED DISTRICT OFFICE

RECEIVED
 T 28N
JAN 20 1953
 U. S. GEOLOGICAL SURVEY
 CASPER, WYOMING

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

JAN 18 1953

LOG OF OIL OR GAS WELL
 Company Murphy Corporation Address Box 76, Poplar, Montana
 Lessor or Tract East Poplar Unit Field East Poplar State Montana
 Well No. 3-G Sec. 23 T. 28N R. 51E Meridian Principal County Roosevelt
 Location 1155 ft. (N) of S. Line and 1155 ft. (E) of W. Line of Sec. 23 Elevation 2201 Gr.
(Denote foot relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Harold MilamDate January 15, 1953 Title District Production Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling December 17, 1952 Finished drilling December 10, 1952
 OIL OR GAS SANDS OR ZONES
 (Denote gas by G)
No. 1, from None to None No. 4, from None to NoneNo. 2, from None to None No. 5, from None to NoneNo. 3, from None to None No. 6, from None to NoneNo. 1, from None to None No. 2, from None to NoneNo. 2, from None to None No. 4, from None to None**CASING RECORD**

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
9 5/8	36#	8 rd.		60 ft.					
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	65'	20 reg. cement	Pump & Plug		

CCPY RETAINED DISTRICT OFFICE
ENVIRONMENTAL
PROTECTION AGENCYBudget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

45

U. S. LAND OFFICE Billings
SERIAL NUMBER BLM-A 012245
LEASE OR PERMIT TO PROSPECT

NOV 5 1998

MONTANA OFFICE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

JUL 11 1955

FEDERAL BUREAU OF RESEARCH
COLUMBIA UNIVERSITY

RECEIVED

JUN 30 1955

U. S. GEOLOGICAL SURVEY
BILLINGS, MONTANA

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company MURPHY CORPORATION Address B-13 Behner Bldg. Billings, Montana
 Lessor or Tract E.P. & B. Co. BLM-A 012245 Field East Poplar State Montana
 Well No. 55 Sec. 23 T. 28N R. 51E Meridian M.P.M. County Roosevelt
 Location 1980 ft. N of S Line and 660 ft. E of W Line of Section 23 Elevation 2230' K.B.
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records:

Signed

*Harold Milon*Date June 28, 1955Title Division Production Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling May 13, 1955 Finished drilling June 14, 1955.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5917.5 to 5927.5 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	36#	8	American	1046.86	Howco				Surface
5-1/2"	15.50#	8	American	5922.60	Howco				Oil String
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	1058.11'	400	Pump & Plug		
5-1/2"	5932.50'	300	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

R 51E

Budget Bureau No. 42-R355.
Approval expires 11-30-49.

BEST COPY'S
AVAILABLE

U. S. LAND OFFICE Billings
SERIAL NUMBER BLM-A-012245
LEASE OR PERMIT TO PROSPECT _____

RECEIVED

JAN 20 1953

UNITED STATES

UNITED STATES
OIL CONSERVATION BOARD AND BOARD
OF RAILROAD COMMISSIONERS OF THE INTERIOR
BILLINGS
GEOLOGICAL SURVEY

GEOLOGICAL SURVEY

RECEIVED
JAN 10 1963
GEOLOGICAL SURVEY
BILLINGS, MONTANA

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Murphy Corporation Address Box 76, Poplar, Montana
Lessor or Tract East Poplar Unit Field East Poplar State Montana
Well No. 3-Q Sec. 23 T. 28N R. 51E Meridian Principal County Roosevelt
Location 1155 ft. ^[N.] of S Line and 1155 ft. ^[E.] of W Line of Sec. 23 Elevation 2201 Gr.
(Describe location as accurately as possible)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Harold Milner

Date January 15, 1953 15-10-23 Title District Production Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling December 7, 1952 Finished drilling December 10, 1952

December 10, 1925: **Oil or Gas Sands or Zones** (see upon) **Lytle**

(Denote gas by G)

No. 1, from None to None No. 4, from None to None

No. 5, from 10231 to 10240 on page 10231 No. 5, from _____ to _____

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from No. 3, from 146 50

No. 2 from to No. 4 from to

2/ FROM: AND 3 LETTERS (10/17/71) & EVEN 30 LATER THAT DATE
 1/23/71: - BUREAU OF CASING RECORD - 1/23/71

IMPORTANT WATER SANDS

1944-1945

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	65'	20 reg. cement	Pump & Plug		

MARK

Heaving plug—Material Length Depth set

Adapters—Material	Size
-------------------	------

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 851 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----, 19----- Put to producing -----, 19-----

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

-----Ray Goettle----- Driller -----W. F. Broiles-----, Driller

-----, Driller -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		834'	Judith River
FROM—	TO—	TOTAL FEET	FORMATION

(over)

16-43004-2

FORMATION RECORD—Continued

[illegible]

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

December 7, 1952:

59

LOC OF OIL ON CAR METAL

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C. 20090

RECEIVED

REVENUE ON FURNISH TO PROPOSED

SECRET NUMBER 11-1-01387

U. S. CIVIL SERVICE COMMISSION

7th Nov 1941 11-30-48
100000 100000 100 43-15333

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Billings
Lease No. BLM-A-012245
Unit East Poplar Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	XXX
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... January 16, 19 53

Well No. 3-0 is located 1155 ft. from XXX line and 1155 ft. from XXX line of sec. 23

NE 1/4 SW 1/4 Sec. 23 28N 51E Principal

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

East Poplar

(Field)

Roosevelt

(County or Subdivision)

Montana

(State or Territory)

The elevation of the derrick floor above sea level is 2201 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. # 3-0. 854 feet. Ran Schlumberger. No gas show. Plugged well with 10 sacks cement at the bottom of the surface pipe. Placed a four inch pipe marker in the top and cemented with five sacks.

Plugged and abandoned, 12-10-52.

12-10-52.

Approved 1-19-53
H. H. H. H.
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy Corporation

Address Box 76

Poplar, Montana

By Harold Wilson

Title District Production Supt.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Billings
Lease No. BLM-A-012245
Unit East Poplar Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 16, 1953

Well No. 3-0 is located 1155 ft. from XXX line and 1155 ft. from XX line of sec. 23
NE 1/4 SW 1/4 SW 1/4 Sec. 23 28N 51E Principal
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
East Poplar Roosevelt Montana
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 2201 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. # 3-G. Spudded 12 1/2" hole at 1:00 A.M., 12-7-52. Drilled to 65 feet. Ran 2 joints (60.44 feet) 9 5/8" 36 lbs., J-55 surface casing. Landed 4.60 feet below Rotary Bushing. Ground to Rotary Bushing 3.50 feet. Cement outside with 20 sacks regular cement. Job complete at 11:00 A.M., 12-7-52.

12-7-52

Approved 1-19-53

H. H. Benigno
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy Corporation

Address Box 76

Poplar, Montana

By Harold Milner

Title District Production Supt.

6

Well No. 25-A

API # 25-085. 05016

C.H.Murphy et al -

Well Name _____ Twp. 28 N.

East Poplar Unit #3G Rge. 51 E.

Structure

Poplar Sec. 23

County

Location

Roosevelt NE 1/4 SW

State

Montana

Surface Elevation and Formation

2204 DF

Landowner

East poplar Unit

Lessee

C.H.Murphy et al

Drilling Company

C.H.Murphy et al

Representative in Charge

Contractor or Driller

Date Location

Date Spudded

12-7-52

12-16-52 Shallow gas well.

12-19-52 Comp 12-10-52, Elev 2204,

Jud Riv 849, TD 850, dry P & A,

(no gas) (FCP)

SCH LOG IN FILE

Completed

Total Depth

Formation

12-10-52

850

Oil

Gas

Water

Dry

Final Result

P&A

U. S. LAND OFFICE **Billings**SERIAL NUMBER **BLM-A 129305-A**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **MURPHY CORPORATION** Address **E-13 Behner Bldg, Billings, Montana**
 Lessor or Tract _____ Field **East Poplar** State **Montana**
 Well No. **32** Sec. **15** T. **26N** R. **51E** Meridian **M.P.M.** County **Roosevelt**
 Location **1980** ft. **xx** of **N** Line and **1980** ft. **xx** of **E** Line of **Section 15** Elevation **2088** KB
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Signed

Harold Milan
Harold MilanDate **November 2, 1954**Title **Dist. Production Superintendent**

The summary on this page is for the condition of the well at above date.

Commenced drilling **March 22**, 1954 Finished drilling **April 21**, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5497** to **5503** No. 4, from **5792** to **5812**
 No. 2, from **5636** to **5645** No. 5, from _____ to _____
 No. 3, from **5654** to **5666** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	36	8	Nat'l	880.55'	Hardy				
5-1/2"	15.50	8	Nat'l	580.15'	Hardy				

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	992.55'	290	Pump & Plug		
5-1/2"	5819'	300	Pump & Plug		

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NOV 4 1954

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

World

Adapters—Material	Size
-------------------	------

[illegible]

Rotary tools were used from 0 feet to 5821 feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

October 24	1954	Put to producing	10
------------	------	------------------	----

The production for the first 24 hours was 227 barrels of fluid of which 18 % was oil, %

emulsion: 82 % water; and % sediment. Gravity, °Bé.

If gas well cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. -----

J. A. Bailey	Driller	J. W. Clay	Driller
--------------	---------	------------	---------

J. T. Liner	Driller		Driller
-------------	---------	--	---------

FROM—	TO—	TOTAL FEET	FORMATION
-------	-----	------------	-----------

SEE ATTACHED SHEETS

FROM	TO	LOTT LEE	LOTT LEE

LOVER

16-48094-

FORMATION RECORD—Continued

TO
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

WELL COMPLETION REPORT
(NEW WELLS ONLY)

Owner.....MURPHY CORPORATION.....Field.....East Poplar
Street.....B-13 Behner Building.....Pool.....East Poplar
City.....Billings.....State.....Montana.....County.....Roosevelt
Lease Name.....BLM-A 129305-A.....Well No.....32.....Acres in Unit.....
Location.....SW NE.....Sec.....15.....Twp.....28N.....Range.....51E.....Elevation.....5088 KB
Permit No.....Electric Log Run.....3-23-54 & 4-16-54....., 19.....
Number of crude oil producing wells on this lease, including this well.....

DATA ON TEST

Dates Test Commenced.....October 24....., 1954.....Hour.....7A.M. Data Test Completed.....October 25....., 1954.....Hour.....7A.M.
Length of Test.....24.....Hours.....--.....Minutes.....

For Flowing Well:

Flowing pressure on Csg.....Lbs./Sq. In.
Flowing pressure on Tbg.....Lbs./Sq. In.
Size Tbg.....In. No. Ft. Run.....
Size choke.....inches. Make choke.....
Length.....In. Shut in pressure.....

For Pumping Well:

Length of stroke used.....64".....inches
Number of strokes per minute.....16.....
Size of working barrel.....1 1/2".....inches
Size Tbg.....2-3/8.....In. No. Ft. run.....5768.....

If Flowing Well, was this well flowed for the entire duration of this test without the use of swab or other artificial flow device?
..... If jetted, used.....Cu. Ft. gas per Bbl. oil. Result of this test (Bbls. net oil per 24 hours.)
.....41.....(100% tank tables.)

Gas-Oil ratio of this well is.....negligible.....Cu. Ft. of gas per Bbl. of oil.

Per cent of water produced during this test.....82%.....

Gravity of oil produced during this test (corrected to A. P. 1. 60° F.).....40.4.....

Name of pipe line or other carrier.....East Poplar Unit Gathering System.....

If Shot:

Date this well shot, perforated or treated.....5-21-54.....No. Qts. used.....

If Perforated:

No.....50.....Size.....1/2".....If Acidized:
No. Gals. used.....1000 gallons etching acid.....

Formation shot, perforated or treated.....Madison.....5790.....Ft. to.....5800.....feet.

Shooting, perforating or treating company.....Land Wells & Dowell.....

Bbls. of oil produced from this well since shot or treatment to time test was started.....802.....

Date well completed.....April 21....., 1954.....Hour well completed.....2:00.....P.M.

Top of pay.....5790.....Ft. Total depth of well.....5821.....Ft.

CASING RECORD

Size	Put In Well Feet	Pulled Out Feet	Left In Well Feet	No. Sacks Cement Used	Packers	Float Collars and Shoes
9-5/8"	992.55'	RECEIVED NOV 3 1954 OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA - BILLINGS			390	Howco
5-1/2"	5819'				300	Howco

Agent's address.....B-13 Behner Building.....MURPHY CORPORATION
.....Billings, Montana.....(Name of Owner)
.....(Signature).....Dist. Prod. Supt.....(Title)
Phone.....2-2131.....

LOG OF WELL

Show all formation, especially all sands and character and contents thereof. Describe Cores. On other side—
OVER

SEE ATTACHED SHEETS

FILED IN 1210

NOV 8 - 1954

RECEIVED
DEPT. OF AGRICULTURE

EAST POPLAR UNIT WELL #32
SW NE Section 15-T28N-R51E
Roosevelt County, Montana

- March 22, 1954: Spudded 11:00 A.M., 3-22-54.
- March 24, 1954: Set 980.55' of 9-5/8" casing at 992.55' with 390 sacks cement. Plug down at 6:15 A.M., 3-24-54. Bumped plug with 800#. Released pressure, float held okay.
- April 19, 1954: Set 5809.10' of 5-1/2" casing at 5819' with 300 sacks Pozmix. Bumped plug with 1000#, held okay.
- April 20, 1954: Drilled plug and cement to 5812'. Ran open end tubing to 5790'. Displaced with oil. Rigged up to perforate.
- April 21, 1954: Set tubing at 5768.12', Schlumberger measurement. Displaced water with oil and perforated 5790--5800', Schlumberger measurement, with 50 shots. Acidized with 1000 gallons etching acid. Formation broke at 2000#. Injected 2.4 bbls. per minute at 1600#. Bled down to 1500#. Acid water to surface in 18 minutes; 10 per cent oil, 90 per cent acid water in 40 minutes. Now flowing 70 per cent to 90 per cent water at rate of 100 to 200 bbls. fluid per day, open flow with 500# casing pressure after 15 hours. Chloride of water: 16,000 PPM.
- April 22, 1954: Flowed in tank at rate of 100 to 200 BFPD. Tubing pressure: 125#. Casing pressure: 625#. 60 to 80 per cent water. Chlorides: 13,000 PPM. Rig released at 2:00 P.M., 4-21-54.

EAST POPLAR UNIT WELL #32
SW NE Section 15-T28N-R51E
Roosevelt County, Montana

- April 9, 1954: D.S.T. #1. Tool open $3\frac{1}{2}$ hours. Opened with good blow; decreased to fair blow in $2\frac{1}{2}$ hours. Gas to surface in 3 hours 20 minutes. Recovered 30' clean oil, 5165' salt water. Tool would not close for shut in pressure. IBHFP: 26#, FBHFP: 2503#, Hydro: 3330#. Bottom packer held okay. Reamed core hole and drilled to 5617'. Mud weight: 10.5#. Viscosity: 180.
- April 13, 1954: D.S.T. #2. Tool open 4 hours, opened with weak blow decreasing to very weak blow after $1\frac{1}{2}$ hours, that lasted throughout test. Recovered 60' gas, 5' clean oil, 565' salt water. IBHFP: 15#, BHSIP: 2663#, FBHFP: 220#, Hydro: 3463#. Shut in 20 minutes.
- April 14, 1954: D.S.T. #3. Tool open 4 hours, shut in 20 minutes. Opened with very weak blow, increasing slightly after 3 hours. Recovered 30' muddy oil-cut salt water, 1920' salty sulphury water. IBHFP: 15#, FBHFP: 985#, BHSIP: 2690#, Hydro: 3355#.
- April 16, 1954: D.S.T. #4. Tool open one hour. Shut in 20 minutes. Opened with fair blow that continued throughout test. Recovered 950' gas, 90' clean oil, 45' mud-cut oil, 30' oil-cut mud. No water. IBHFP: 28#, BHSIP: 3090#, FBHFP: 85#, Hydro: 3463#.

RECEIVED

APR 16 - 1954

RECEIVED
OIL & GAS COMMISSION
STATE OF MONTANA

EAST POPLAR UNIT WELL #32
SW NE Section 15-T28N-R51E
Roosevelt County, Montana

- May 3, 1954: Run 500 gallons Dowell plugging material. Press climbed from 1400# to 3700# with 450 gallons in formation. Bypassed 50 gallons up casing and acidized with 3000 gallons etching acid. Average injection rate 2.7 barrels per minute at 1800#. Flowed spent acid in 7 minutes, formation fluid in 32 minutes. Cleaned to pits. Flowed at estimated rate of 100 BOPD and 400 BHPD. Open flow.
- May 4, 1954: Testing. Test: Open flow, 5.43 BFPD, 35 per cent water with trace of mud, TFP: 100#, CP: 625#. Test not conclusive.

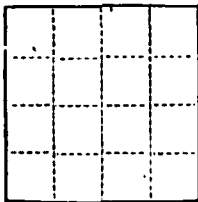
Installed a pumping unit

NOV 6 1954
RECEIVED
DEPARTMENT OF REVENUE
OF THE STATE OF MONTANA

ELECTRO LOG DATA

<u>Type of Log</u>	<u>Interval Logged</u>
Electrical Survey-----	77'-1015' 1015'-5820'
Microlog-----	2000'-5818'

<u>Formation</u>	<u>Schlumberger Tops</u>
Judith River-----	765 (+1323)
Eagle-----	1161 (+ 927)
Niobrara-----	2023 (+ 65)
Greenhorn-----	2362 (- 274)
Graneros-----	2570 (- 482)
Muddy-----	2950 (- 862)
Dakota Silt-----	3142 (-1054)
Morrison ?-----	3497 (-1409)
Swift ?-----	3518 (-1428)
Rierdon-----	3917 (-1829)
Piper Shale-----	4265 (-2177)
Piper Limestone-----	4350 (-2262)
Spearfish-----	4600 (-2512)
Amsden-----	4712 (-2624)
Heath-----	4850 (-2762)
Otter-----	5000 (-2912)
Kibbey Sandstone-----	5140 (-3052)
Kibbey Limestone-----	5293 (-3205)
Madison-----	5386 (-3298)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Billings
Lease No. BLM-A-029305-A
Unit East Poplar

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 27, 1953

Well No. 32 is located 1980 ft. from N line and 1980 ft. from E line of sec. 15

34 NE 400 (1/4 Sec. and Sec. No.) 28N (Twp.) 51E (Range) H. P. H. (Meridian)
East Poplar (Field) Poplar (County or Subdivision) Montana (State or Territory)

The elevation of the derrick floor above sea level is _____ ft. (Not yet run)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Approximately 1000 feet of 7 5/8 inch surface pipe will be set with 450 sacks cement. Total depth is expected to be 5900 feet so as to evaluate the producing section of the Madison Formation. 5 1/2 inch, 15.50# casing will be set for production string.

Adequate blow out preventers will be installed.

APPROVED SUBJECT TO CONDITIONS SHOWN ON REVERSE

(Grdg. Sgd.) H. H. PERRICO

OCT 29 1953

DISTRICT ENGINEER

DATE

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

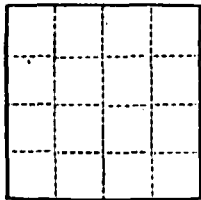
Company Murphy Corporation

Address Box 447

Poplar, Montana

By Harold Wilson

Title District Production Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Billings

Lease No. BLI-A-029305-A

Unit East Poplar

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

MAY 10 1954

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

MAY 11 1954

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

May 5, 1954

Well No. 32 is located 1980 ft. from [N] line and 1980 ft. from [E] line of sec. 15

SW 1/4 Section 15 28 N 51 E H. P. M.

East Poplar Poplar Montana

The elevation of the derrick floor above sea level is 2038 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 500 gallons of Dowell Plugging Material. Pressure climbed from 1400 to 3700 with 450 gallons in formation. By-passed 50 gallons up casing and acidized with 3000 gallons of etching acid. Average injection rate 2.7 BPH at 1800#. Flowed spent acid to surface in 7 minutes. Formation fluid in 32 minutes. After cleaning to pits flowed estimated rate of 100 BOPD and 400 BWPD. Open flow.

Approved MAY 10 1954
(Orig. Sgd.) H. H. PERRICO

Special Agent

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

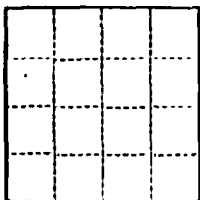
Company Murphy Corporation

Address Box 447

Poplar, Montana

By Harold Milan

Title District Production Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office BillingsLease No. 912-A-029305-AUnit East Poplar

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

APR 26 1954

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

ON AND WAS DETERMINED ON THE BASIS OF
(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)Well No. 32 is located 1980 ft. from N line and 1980 ft. from E line of sec. 15
XX XXS. E. Section 15

T. 20 N

(Range) 21 E

R. 14 W

East Poplar

(County) Rosebud(State) MontanaThe elevation of the derrick floor above sea level is 2088 ft. M.S.

DETAILS OF WORK

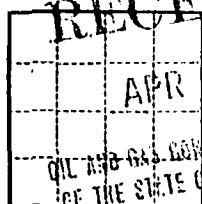
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 186 joints (5797.03') of 2 3/8", KUE, J-55, 8 rd. thd., American Tubing. Landed 9.10' below RKB and set at 5768.13' Schlumberger Measure. Displaced water with oil and perforated with Lane Wells Tubing Gun from 5790 to 5800, Schlumberger Measure, with 50 shots. Acidized with 1000 gallons Etching Acid. Formation broke at 2000'. Injected 2.4 barrels per minute at 1600#. Bled down to 1500# at end of job. Acid water to surface in 18 minutes. 10% oil, 90% acid water after 40 more minutes. Now flowing 70 to 90% water at the rate of 100 to 200 barrels of fluid per day open flow with 500# G.P. after 15 hours. Chlorides on water 16,000 PPM.

Approved APR 26 1954(Circ. Seal) H. H. PENNING

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy CorporationAddress Box 447Poplar, MontanaBy Harold MilanTitle District Production Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Billings
Lease No. BLM-A-022305-A
Unit East PoplarOIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

RECEIVED

APR 22 1954

U. S. GEOLOGICAL SURVEY

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	BILLINGS, MONTANA K.K.
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 19, 1954

Well No. 32 is located 1980 ft. from N line and 1980 ft. from E line of sec. 15Sec. 15 (Section)
28 N (Twp.) 51 E (Range) N. P. M. (Municipality)East Poplar (County or Subdivision) Montana (State or Territory)The elevation of the derrick floor above sea level is 2088 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Run 188 joints (5809.10') of 5 1/2 inch, J-55, 15.50#, 8 rd. thd., Range 2 American Casing. Set at 5819, Schlumberger Measure. Landed 9.90' below HEB. HMCWCO Eoto-type Scratchers at 5479 to 5524, 5622 to 5694, and 5780 to 5817. Five HMCWCO Centralizers at 5447, 5538, 5652, 5725, and 5802. Halliburton Automatic Fill-up Shoe at 5817 and Halliburton Baffle Collar at 5784. Cemented with 300 sacks Pozmix. Plug down at 4:25 P.M., 4-17-54. Dumped plug with 1000#, released pressure, and float held okay. Rotated pipe freely while cementing.

APR 22 1954

Approved
(Geol. Supt.) H. H. PERRIGO
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy CorporationAddress Box 447Poplar, MontanaBy Harold MilamTitle District Production Supt.

Form 9-831a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Billings

Lease No. BLM-A-029305-A

Unit East Poplar

APR 22 1954

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	XX
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

..... April 16, 1954

Well No. 32 is located 1980 ft. from N line and 1980 ft. from E line of sec. 15

SE 1/4 Section 15 28N 51E N.P.M.
(Sec. and Sec. No.) (Twp.) (Range) (Meridian)

East Poplar Roosevelt Montana
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 2008 ft. K.S.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill stem test #1: Testing C zone. Total depth 5795 with single packer at 5777'. Tool open 1 hour. Tool opened at 4:10 P.M., 4-15-54, with fair blow, continued throughout test. Recovered 950' gas, 90' clean oil, 45' mud cut oil and 30' oil cut mud with no water. DOWEF-28#, PERFER-85#, 20 minutes BUSIF-3070#, Hydro-3453#.

APR 22 1954

Approved _____
(Orig. Sgd.) H. M. PENNICO
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

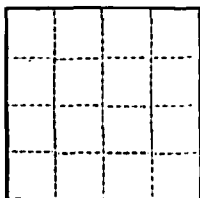
Company Murphy Corporation

Address Box 447

Poplar, Montana

By [Signature]

Title Asst. Production Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office BillingsLease No. 412-A-129305-AUnit East Poplar

RECEIVED

APR 15 1954

U. S. GEOLOGICAL SURVEY

BILLINGS, MONTANA

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

APR 17 1954

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

OIL AND GAS COMMISSION
OF THE STATE OF MONTANA - BILLINGS

April 14, 1954

Well No. 32 is located 1980 ft. from N line and 1980 ft. from E line of sec. 15SW 1/4 Section 15 24 N 51 E 15East Poplar Poplar MontanaThe elevation of the derrick floor above sea level is 2088 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill stem test No. 2, straddle packers at 5632 to 5641. Tool open 4 hours, opened at 10:36, 4-12-54, with weak blow, increasing to very weak blow after 1 1/2 hours. Continued throughout test. Recovered 60' gas, 5' clean oil, 565' salt water. ISHFP-15#; FMHFP-220#; 20 minutes MSIP-2663#; Hydro-3463#. Bottom packer held okay.

Drill stem test No. 3, straddle packers, B-2 zone, 5642 to 5653. Tool open 4 hours. Tool open at 8:12 A.M., 4-13-54, with very weak blow, increasing slightly after 3 hours. Recovered 30' muddy oil cut salt water, 1920' salt sulphur water. ISHFP-15#; FMHFP-985#; 20 minutes MSIP-2690#; Hydro-3355#. Bottom packer held okay.

District Engineer

APR 17 1954

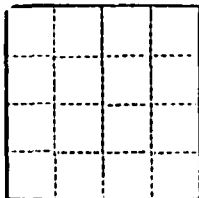
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Approved

Company Murphy Corporation(Orig. Sig.) H. H. MERRICK

District Engineer

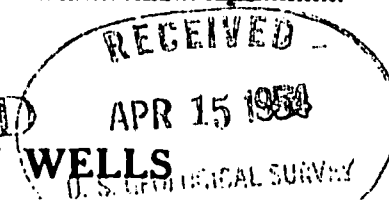
Address Box 147Poplar, MontanaBy [Signature]Title Asst. District Production Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Billings
Lease No. DLN-A-029305-A
Unit East Poplar



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 12, 1954

Well No. 32 is located 1980 ft. from N line and 1980 ft. from E line of sec. 15

SW 1/4 Section 15 28N 5E M.P.H.

East Poplar Boonaville Montana

The elevation of the derrick floor above sea level is 2088 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

5617' Drill stem test No. 1, straddle packers 5493 to 5503, total depth 5548. Tool open 3 1/2 hours. Tool opened at 11:10 A.M., 4-8-54, with good blow, increasing to fair blow in 2 1/2 hours. Gas to surface in 3 hours and 20 minutes. Recovered 30' of clean oil and 5165' of salt water. Tool would not close for shut-in pressure. IBHFP-26#, FBHFP-2503#, Hydro-3300. Bottom packer held okay.

Approved APR 17 1954
(Gilt. Sgd.) H. H. PEURIEU
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

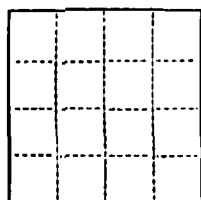
Company Murphy Corporation

Address Box 147

Poplar, Montana

By Harold Miles

Title District Production Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Billings

Lease No. BLM-A-029305-A

Unit East Poplar

APR 2 1954

SUNDRY NOTICES AND REPORTS ON WELLS. GEOLOGICAL SURVEY

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	XX
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 32 is located 1980 ft. from N line and 1900 ft. from E line of sec. 15
St. Mary (Section No.) 28N (Twp.) 51E (Range) Montana (County or Subdivision) Montana (State or Territory)
East Poplar (Field)

The elevation of the derrick floor above sea level is 2088 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 23 joints, 980.55 feet of 9 5/8 inch, J-55, 36 lbs., Range 3, 8 rd. thread American Casing. Landed 12' below RKB and set at 992.55 feet. Two HAWCO Centralizers at 783 and 976. Cemented with 390 sacks as follows: 130 sacks of Ideal sack cement and 260 sacks of Ideal regular bulk cement with 2% CaCl in the last 200 sacks. Plug down at 6:15 A.M., 3-24-54. Dumped plug with 800#. Circulated approximately 100 sacks of clean cement. Released pressure. Float held okay.

RECEIVED

APR 2 1954

Approved APR 2 - 1954

(Orig. Sgd.) H. H. FENNIG

District Supervisor

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy Corporation

Address Box 147

Poplar, Montana

By Harold Miles

Title District Production Supt.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R1424.

6. LEASE DESIGNATION AND SERIAL NO.

BLM-A-029305-A

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

Fort Peck

7. UNIT AGREEMENT NAME

East Poplar Unit

8. FARM OR LEASE NAME

East Poplar Unit

9. WELL NO.

No. 32

10. FIELD AND POOL, OR WILDCAT

East Poplar Unit

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

C SW NE Section 15,

T28N, R51E

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back in a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Murphy Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 547, Poplar, Montana 59255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' from the North line and 1980' from the East line

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, WT, GR, etc.)

2078' G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☒
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

☐
☐
☐
☐
☐

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recumpletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

East Poplar Unit No. 32 was acidized with 3,000 gallons of 28% retarded, inhibited HCL acid as follows: Ran Baker Retrievomatic packer to 5770'. Filled hole, spotted acid 1 joint above packer and set packer. Pressured annulus to 500 PSI. Formation took acid at 3 BPM at 700 PSI and built to 1400 PSI with 34 bbls. in formation. Formation broke back to 1100 PSI with 50 bbls. in formation. Pressure slowly increased to 1200 PSI with all acid in formation. Pressure decreased to 1100 PSI with 20 bbls. overflush in formation.

ISI = 500 PSI 15 Min. S.I. = Vacuum

Workover Potential: 3 Hr. Test Pumped 23.11 BF = 185 BFPD 177 BWPD 7 BOPD
96% W.C.

18. I hereby certify that the foregoing is true and correct

SIGNED ORIGINAL SIGNED BY W. G. BROWN

TITLE District Superintendent

DATE April 17, 1973

(This space for Federal or State office use)

APPROVED BY (SIGNED) VIRGIL L. PAUL
CONDITIONS OF APPROVAL, IF ANY:

TITLE DISTRICT ENGINEER

DATE 4-24-73

*See Instructions on Reverse Side

STATE, B

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED		6. LEASE DESIGNATION AND SERIAL NO. BLM-A-029305-A	
2. NAME OF OPERATOR Murphy Oil Corporation		DEC 3 1973		8. IF INDIAN, ALLOTTED OR TRIBE NAME Fort Peck	
3. ADDRESS OF OPERATOR P.O. Box 547, Poplar, Montana 59255		Billings, Montana		7. UNIT AGREEMENT NAME East Poplar Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		1980' from the North line and 1980' from the East line		8. FARM OR LEASE NAME East Poplar Unit	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, or, etc.) 2078' G.L.		9. WELL NO. No. 32	
				10. FIELD AND POOL, OR WILDCAT East Poplar Unit	
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA C SW NE Section 15, T28N, R51E	
				12. COUNTY OR PARISH Roosevelt	
				13. STATE Montana	

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Change Zones <input checked="" type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

At the present time this well is producing at the rate of 104 BFPD 4 BOPD 100 BWPD 96% W.C. which is uneconomical.

A bridge plug will be set with one sack of cement over the C-Zone. The A-Zone will be perforated at 5480-5496' with a thru tubing gun. The A Zone will be acidized with 3000 gallons of 28% acid, if needed.

19. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE District Superintendent DATE November 29, 1973

(This space for Federal or State office use)

APPROVED BY SGD VIRGIL I. PAULI
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DISTRICT ENGINEER

DATE

12-5-73

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE DATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

BLM-A-029305-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Fort Peck

7. UNIT AGREEMENT NAME

East Poplar Unit

8. FARM OR LEASE NAME

East Poplar Unit

9. WELL NO.

No. 32

10. FIELD AND POOL, OR WILDCAT

East Poplar Unit

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREAC SW NE Section 15,
T28N, R51E

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

JAN 21 1974

Billings, Montana

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Murphy Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 547, Poplar, Montana 59255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1980' from the North line and 1980' from the East line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

2078' G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒(Other) Zone Change ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(Other) ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A 5-1/2" C.I. bridge plug was set at 5770' with 1 sack of cement on top of plug. The A-2 and A-3 Zones were perforated from 5480-5496', 4 holes per foot. The well was acidized as follows: Circ. hole with salt water, set packer, pressured casing to 1000 PSI. Broke formation with 3400 PSI, 1/4 BPM injection rate. Released pressure and packer. Spotted acid, set packer, and repressured casing to 1000 PSI. Pumped 3000 gallons of 28% HCL with inhibitor, emulsion breaker and sequestering agent added.

Maximum Injection Rate 1-1/2 BPM
Minimum Injection Rate 1/4 BPM
Maximum PSI 3400#
Minimum PSI 900#
ISIP 600#
10 Min. S.I. 500#

Workover Potential: 24 Hr. Test 213 BFPD 6 BOPD 207 BWPD 97% W.C.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE District Superintendent

DATE January 18, 1974

(This space for Federal or State use)

(ORIG. SGD.)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE, B

DOWELL INCORPORATED

STAGE NO.

TREATMENT REPORT

TREATMENT NO.

615

DISTRICT Denver #15 STATION Williston DATE 4-20, 1954

OWNER Murphy Oil Company LEASE E.P.U. WELL NO. 32
POOL East Poplar COUNTY Roosevelt STATE Montana
LOCATION 15-28N-51E OWNER'S REPRESENTATIVE Gurnutt

WELL DATA

FORMATION Madison
PAY FROM 5790 TO 5800
PRESENT TOTAL DEPTH 5812 P. B. FROM 5821

PIPE DATA-

CASING SIZE 5 1/2" WT. 15.5#
CASING DEPTH 5812 SKS. CEMENT 300
LINER SIZE 2" WT. 15.5#
LINER DEPTH FROM 5812 TO 5821
LINER DESCRIPTION 2" EUE
TUBING SIZE 2" EUE DEPTH 5767
PACKER TYPE 2" EUE DEPTH 5767
PACKER FURNISHED BY OPERATOR DOWELL

PERFORATING DATA OR PAY ZONES

SHOTS/FT.	FROM	TO
<u>5</u>	<u>5790</u>	<u>5800</u>

PRODUCTION-

INITIAL	OIL	WATER	G. O. R.
<u>PRESENT</u>	<u></u>	<u></u>	<u></u>

ACIDIZING, SHOOTING AND LOGGING RECORD-

RECEIVED

APR 30 1954

COMPLETION DATA-

DATE Nov CABLE TOOL
ROTARY Yes DRILLING FLUID Mud
SIZE OPEN HOLE

DETAILED RECORD OF TREATMENT

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

TIME	PRESSURE	REMARKS
A.M. OR P.M.	CASING	TUBING
<u>5:30AM</u>		ARRIVAL AT LOCATION WITH <u>1000</u> GALS. OF DOWELL <u>1000</u>

FILL	BBLs.
<u>23</u>	<u>23</u>
<u>23</u>	<u>23</u>
<u>23</u>	<u>23</u>

OUT OF TANKS	BBLS. OF ACID IN FORMATION	PER READING	PER MINUTE	REMARKS
<u>5:30</u>				Start circulating Mud w/oil
<u>10:30</u>				Hole loaded
<u>10:45</u>				Stand by for perfo.
<u>3:25</u>	<u>500</u>			Start Acid
<u>3:44</u>	<u>700</u>	<u>0</u>	<u>24</u>	Acid spotted on perfo.
<u>3:46</u>	<u>2000</u>	<u>1500</u>		Broke to 1800 psi on casing
<u>3:49</u>	<u>1600</u>	<u>1600</u>	<u>12</u>	
<u>3:56</u>	<u>1800</u>	<u>1800</u>	<u>24</u>	Tubing flushed
				Turn to pit

5:30PM LEFT LOCATION

IF TREATMENT IS NOT CONVENTIONAL LIMESTONE FORMATION TREATMENT TO INCREASE OIL OR GAS PRODUCTION, STATE PURPOSE OF TREATMENT.

Broken head

W. B. Wilson

SERVICE ENGINEER

E. H. Nielsen

STATION OR DISTRICT MANAGER

DISTRICT OFFICE COPY,

**OIL WELL CEMENTING COMPANY**

DUNCAN, OKLAHOMA

CEMENTING SERVICE TICKET

DATE 3-24-54 PLACE Poplar, Mont. ORDER NO. _____

Well No. 32 Farm EPU County Roosevelt State Mont. Sec. T. R.

CHARGE TO	Murphy Corp				Owner or Contractor	Penrod Drlg. Co.				
	Mailing Address				Murphy Bldg.		City & State	Shreveport, La.		
	City & State				El Dorado, Ark.		Truck Called Out	8	AM	3-53
							On Location	11	AM	Job Boan 5 AM
								Job Completed	6:30 AM	

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA:

[illegible]

OTHER DATA ON SERVICE OPERATION

PLUGS AND HEADS		PRESSURE	CEMENT LEFT IN CASING 10	FT
BOTTOM PLUG	TYPE	CIRCULATING 350	BY REQUEST? <input checked="" type="checkbox"/>	
TOP PLUG	TYPE 5 W	MINIMUM 0	NECESSITY? <input type="checkbox"/>	
TYPE HEAD		MAXIMUM 1000	MEASURED WITH LINE? <input type="checkbox"/>	

SERVICE AND RENTAL CHARGES				TRUCK	TITLE	NAME	LOCATION	STATE
DEPTH OF JOB <u>992</u> FT.				3770	CEMENTER	J. Dungan	Wolf Point	Mont.
PRICE REF.					DRIVER	E. Meyer		
R-3	BASE CHARGE	\$	290 00	CEMENTER				
R-80	ADD'N. CHARGE	\$	8 00	DRIVER				
	EXTRA TRUCK	\$		CEMENTER				
	STAND BY TRUCK	\$		DRIVER				
	MILEAGE @	\$		CEMENTER				
		\$		DRIVER				
		\$		CEMENTER				
		\$		DRIVER				
		\$		CEMENTER				
	TOTAL CHARGE	\$	298 00	DRIVER				

RECEIVED
 APR 24 1954
 OHIO BUREAU OF CONSERVATION COMMISSION

The above job was done and equipment used under the exclusive control, direction and supervision of the undersigned or his agent whose signature appears below and who certifies the above data furnished by him is correct.

J. W. Curnutt

OWNER, OPERATOR OR HIS AGENT

The following information is urgently requested in order that we may be fully advised and to enable us to keep our standard of service up to the highest point.

WAS OPERATION OF THE CEMENTING EQUIPMENT SATISFACTORY?

WAS THE WORK OF THE CEMENTING CREW
PERFORMED IN A SATISFACTORY MANNER?

WAS THE CEMENTING JOB
SATISFACTORILY COMPLETED?

SUGGESTIONS:

J. W. Curnutt
OWNER, OPERATOR OR HIS AGENT

COPY No. 53718 G



OIL WELL CEMENTING COMPANY

DUNCAN, OKLAHOMA

CEMENTING SERVICE TICKET

DATE 4-17-54 PLACE Poplar, Mont. ORDER NO. _____Well No. 32 Farm E.P.U. County Roosevelt State Mont. Soc. 15 T. 29 R. 41

CHARGE TO Murphy Corporation ~~Owner of~~ Contractor Penrod Drilg. Co.
 Mailing Address Murphy Building City & State Shreveport, La.
 City & State Eldorado, Ark. Truck Called Out 8 AM On Location 9:30 AM Job Began 3:30 PM Job Completed 4:30 PM

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA:

TYPE OF JOB (V) ONE		CASING		HOLE DATA		TUBING OR DRILL PIPE		CEMENTING PACKER		MAKE FLOAT EQUIPMENT	
SURFACE		NEW	<u>X</u>	BORE SIZE		SIZE		SIZE		FLOAT COLLAR	
INTERMEDIATE		USED								GUIDE SHOE	
PRODUCTION	<u>X</u>	SIZE	<u>5 1/2</u>	TOTAL DEPTH		TYPE		TYPE		FLOAT SHOE	
SQUEEZE		WEIGHT		ROTARY		WEIGHT		WEIGHT		OTHER EQUIPMENT	
PUMPING		DEPTH	<u>5807</u>	CABLE TOOL		TOTAL DEPTH		DEPTH SET		<u>HOWCO fillup shoe</u>	
PLUG BACK		TYPE									
GROUTING											
OTHER (Write In)											

SQUEEZE OR PLUG BACK DATA

PURPOSE	DEPTH FROM	TO APPROX.	IN SIZE	
			CASING	HOLE
WATER				
GAS				
Abandon				

CEMENT DATA

BULK? <u>X</u>	SACKED?	MIXED WT. PER GAL.
SACKS	TYPE	BRAND
<u>300</u>	<u>Reg.</u>	<u>Atlas</u>
		% GEL
		OTHER ADMIX
		<u>POZLAN</u>

OTHER DATA ON SERVICE OPERATION

PLUGS AND HEADS			PRESSURE		CEMENT LEFT IN CASING <u>31</u> FT.	
BOTTOM PLUG	TYPE		CIRCULATING	<u>400</u>	BY REQUEST? <u>X</u>	
TOP PLUG	<u>X</u>	TYPE <u>5W hubber</u>	MINIMUM		NECESSITY?	
TYPE HEAD	<u>P.C.</u>		MAXIMUM	<u>1000</u>	MEASURED WITH LINE? <u>No</u>	

SERVICE AND RENTAL CHARGES

DEPTH OF JOB <u>5807</u> FT.				TRUCK	TITLE	NAME	LOCATION	STATE
PRICE REF.				<u>3717</u>	CEMENTER	<u>Wainwright</u>	<u>Tioga</u>	<u>N.D.</u>
R-5	BASE CHARGE	\$	<u>303 00</u>		DRIVER	<u>Thompson</u>		
	ADD'N. CHARGE	\$			CEMENTER			
	EXTRA TRUCK	\$			DRIVER			
	STAND BY TRUCK	\$			CEMENTER			
	MILEAGE <u>100 @ .75</u>	\$	<u>75 00</u>		DRIVER			
R-68		\$	<u>35 00</u>		CEMENTER			
	<u>900' @ 2.20</u>	\$	<u>19 80</u>		DRIVER			
		\$			CEMENTER			
	TOTAL CHARGE	\$	<u>432 80</u>		DRIVER			

The above job was done and equipment used under the exclusive control, direction and supervision of the owner, operator or his agent whose signature appears below and who certifies the above data furnished by him is correct.

J. W. Curnutt

OWNER, OPERATOR OR HIS AGENT

The following information is urgently requested in order that we may be fully advised and to enable us to keep our standard of service up to the highest point.

WAS OPERATION OF THE CEMENTING EQUIPMENT SATISFACTORY? _____ WAS THE WORK OF THE CEMENTING CREW PERFORMED IN A SATISFACTORY MANNER? _____
 WAS THE CEMENTING JOB SATISFACTORYLY COMPLETED? _____ SUGGESTIONS: _____

J. W. Curnutt

OWNER, OPERATOR OR HIS AGENT

COPY No. 37443 G

mont



Halliburton

OIL WELL CEMENTING COMPANY
DUNCAN, OKLAHOMA

CEMENTING SERVICE TICKET

DATE 4-16-54 PLACE Poplar, Mont. ORDER NO.

Well No.	Farm	County	State	Sec.	T.	R.
Mailing Address			Owner or Contractor			
City & State			City & State			
Truck Called Out			On Location		Job Began	
Job Completed						

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA:

TYPE OF JOB (V) ONE	CASING	HOLE DATA	TUBING OR DRILL PIPE	CEMENTING PACKER	MAKE FLOAT EQUIPMENT
SURFACE	NEW	BORE SIZE	SIZE	SIZE	FLOAT COLLAR
INTERMEDIATE	USED	TOTAL DEPTH	TYPE	TYPE	GUIDE SHOE
PRODUCTION	SIZE	ROTARY	WEIGHT	WEIGHT	FLOAT SHOE
SQUEEZE	WEIGHT	CABLE TOOL	TOTAL DEPTH	DEPTH SET	OTHER EQUIPMENT
PUMPING	DEPTH				
PLUG BACK	TYPE				
GROUTING					
OTHER (Write In)					

SQUEEZE OR PLUG BACK DATA				CEMENT DATA			
PURPOSE	DEPTH FROM	TO APPROX.	IN SIZE CASING HOLE	BULK? SACKS	SACKED? TYPE	MIXED WT. PER GAL BRAND	% GEL OTHER ADMIX
WATER	PUMPING OUT	FLOW LINES					
GAS							
Abandon							

OTHER DATA ON SERVICE OPERATION

PLUGS AND HEADS	PRESSURE	CEMENT LEFT IN CASING
BOTTOM PLUG TYPE	CIRCULATING 0	BY REQUEST?
TOP PLUG TYPE	MINIMUM	NECESSITY?
TYPE HEAD	MAXIMUM 4500	MEASURED WITH LINE?

SERVICE AND RENTAL CHARGES			TRUCK	TITLE	NAME	LOCATION	STATE
DEPTH OF JOB	X FT.		3717	CEMENTER	Wainwright	Tioga	N.D.
PRICE REF.				DRIVER	Thompson		
R-48	BASE CHARGE	\$ 230 00		CEMENTER			
	ADD'N. CHARGE	\$		DRIVER			
	EXTRA TRUCK	\$		CEMENTER			
	STAND BY TRUCK	\$		DRIVER			
	MILEAGE @	\$		CEMENTER			
		\$		DRIVER			
TOTAL CHARGE				CEMENTER			
		\$ 230 00		DRIVER			

The above job was done and equipment used under the exclusive control, direction and supervision of the owner, operator or his agent whose signature appears below and who certifies the above data furnished by him is correct.

J. W. Curnutt
OWNER, OPERATOR OR HIS AGENT

The following information is urgently requested in order that we may be fully advised and to enable us to keep our standard of service up to the highest point.

WAS OPERATION OF THE CEMENTING EQUIPMENT SATISFACTORY? WAS THE WORK OF THE CEMENTING CREW PERFORMED IN A SATISFACTORY MANNER?

WAS THE CEMENTING JOB SATISFACTORYLY COMPLETED? SUGGESTIONS:

J. W. Curnutt
OWNER, OPERATOR OR HIS AGENT



Halliburton

OIL WELL CEMENTING COMPANY
DUNCAN, OKLAHOMA

CEMENTING SERVICE TICKET

DATE 4-10-54 PLACE Poplar, Mont. ORDER NO. _____

Well No. 32 Farm E.P.U. County Roosevelt State Mont. Sec. 15 T. 24 R. 31

CHARGE TO Murphy Corporation Owner or Contractor _____

Mailing Address Murphy Building City & State _____

City & State El Dorado, Ark. Truck Called Out 1 PM On Location 6 AM Job Began AM Job Completed AM

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA:

TYPE OF JOB (V) ONE	CASING	HOLE DATA	TUBING OR DRILL PIPE	CEMENTING PACKER	MAKE FLOAT EQUIPMENT
SURFACE	NEW	BORE SIZE	SIZE	SIZE	FLOAT COLLAR
INTERMEDIATE	USED	TOTAL DEPTH	TYPE	TYPE	GUIDE SHOE
PRODUCTION	SIZE	ROTARY	WEIGHT	WEIGHT	FLOAT SHOE
SQUEEZE	WEIGHT	CABLE TOOL	TOTAL DEPTH	DEPTH SET	OTHER EQUIPMENT
PUMPING	DEPTH				
PLUG BACK	TYPE				
GROUTING					
OTHER (Write in) <u>Dry run</u>					

SQUEEZE OR PLUG BACK DATA

PURPOSE	DEPTH FROM	TO APPROX.	CASING IN SIZE HOLE
WATER	CALLED OUT ON BLOW OUT		
GAS	HAD WELL UNDER CONTROL BY THE		
Abandon	TIME WE GOT THERE		

CEMENT DATA

BULK?	SACKED?	MIXED WT. PER GAL	OTHER ADMIX
SACKS	TYPE	BRAND	% GEL

OTHER DATA ON SERVICE OPERATION

PLUGS AND HEADS	PRESSURE	CEMENT LEFT IN CASINO	FT.
BOTTOM PLUG _____ TYPE _____	CIRCULATING _____	BY REQUEST? _____	
TOP PLUG _____ TYPE _____	MINIMUM _____	NECESSITY? _____	
TYPE HEAD _____	MAXIMUM _____	MEASURED WITH LINE? _____	

SERVICE AND RENTAL CHARGES

DEPTH OF JOB	FT.
PRICE REF.	
BASE CHARGE	\$
ADD'N. CHARGE	\$
EXTRA TRUCK	\$
STAND BY TRUCK	\$
R-1 MILEAGE 100 @ .75	\$ 75 00
	\$
	\$
	\$
TOTAL CHARGE	\$ 75 00

TRUCK	TITLE	NAME	LOCATION	STATE
3717	CEMENTER	Wainwright	Tioga	N.D.
	DRIVER	Harrell		
	CEMENTER			
	DRIVER			
	CEMENTER			
	DRIVER			
	CEMENTER			
	DRIVER			

The above job was done and equipment used under the exclusive control, direction and supervision of the owner, operator or his agent whose signature appears below and who certifies the above data furnished by him is correct.

M. G. James
OWNER, OPERATOR OR HIS AGENT

The following information is urgently requested in order that we may be fully advised and to enable us to keep our standard of service up to the highest point.

WAS OPERATION OF THE CEMENTING EQUIPMENT SATISFACTORY? _____ WAS THE WORK OF THE CEMENTING CREW PERFORMED IN A SATISFACTORY MANNER? _____

WAS THE CEMENTING JOB SATISFACTORY COMPLETED? _____ SUGGESTIONS: _____

M. G. James
OWNER, OPERATOR OR HIS AGENT

DOWELL INCORPORATED

TREATMENT REPORT

TREATMENT NO.

642

DISTRICT Denver #15 STATION Williston DATE 5-1, 1954OWNER Murphy Corporation LEASE E.P.U. WELL NO. 32
POOL East Poplar COUNTY Roosevelt STATE Montana
LOCATION Sec 15-26N-51E OWNER'S REPRESENTATIVE Gurnutt

WELL DATA

FORMATION Charles
PAY-FROM 5740 TO 5800
PRESENT TOTAL DEPTH 5812 P. B. FROM 5821

PERFORATING DATA OR PAY ZONES

SHOTS/FT.	FROM	TO
<u>4</u>	<u>5740</u>	<u>5800</u>

PIPE DATA-

CASING SIZE <u>5 1/2"</u>	WT. <u>15 1/2"</u>
CASING DEPTH <u>5819</u>	SKS. CEMENT <u>300</u>
LINER SIZE <u>None</u>	WT. _____
LINER DEPTH-FROM _____	TO _____
LINER DESCRIPTION _____	
TUBING SIZE <u>2" EUE</u>	DEPTH <u>5768</u>
PACKER-TYPE _____	DEPTH _____
PACKER FURNISHED BY OPERATOR <u>DOWELL</u>	

PRODUCTION-

	OIL	WATER	G. O. R.
INITIAL			
PRESENT			

ACIDIZING, SHOOTING AND LOGGING RECORD-

RECEIVED

MAY 14 1954

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

COMPLETION DATA-

DATE _____ CABLE TOOL _____
ROTARY _____ DRILLING FLUID _____
SIZE OPEN HOLE _____

DETAILED RECORD OF TREATMENT

TIME	PRESSURE		REMARKS
	A.M. OR P.M.	CASING TUBING	
			500 gal. Dowell Jel X830
			3000 GALS. OF DOWELL Jel X100
11:30			ARRIVAL AT LOCATION WITH
11:30			start 24 bbl oil
11:55			Start 12 bbl plugging material
12:07			Start 11 bbl Acid to spot plug
12:15	500	200	Plugging material spotted
12:16			Start plugging in formation
12:18	1605	1100	
12:23	2600	2100	
12:24	3200	2700	
12:25	2600	2100	
2:01	3500	2400	Neg. 2 bbl acid in formation
2:02	1500	1000	Pressure broke to 1400
2:07	1500	1400	Increase pump rate
2:10	1700	1600	
2:14	1800	1800	
2:20	1800	1800	
2:21			All Acid pumped
2:30	1900	1600	Start 23 bbl oil flush
2:35	1600		All Acid displaced - shut down
			Bleed down pressure

IF TREATMENT IS NOT CONVENTIONAL LIMESTONE FORMATION TREATMENT TO INCREASE OIL OR GAS PRODUCTION, STATE PURPOSE OF TREATMENT.

STATION COPY.

B. Owen

SERVICE ENGINEER

E. H. Nielsen

STATION OR DISTRICT MANAGER

HALLIBURTON OIL WELL CEMENTING CO.

FORMATION TESTING AND TOOL SERVICE TICKET

Date	4-8-54	Place	Poplar, Montana	Order No.		Outfit No.	3763	OTHER DESCRIPTION	
Well No.	32	Farm	EPU	County	Roosevelt	Sec.	15	Twp.	28N
						Range	51E		
CHARGE	Murphy Corp.			OWNER Murphy Corp.					
MAILING ADDRESS	Murphy Bldg			CONTRACTOR Penrod Drlg. Co.					
CITY & STATE	Eldorado, Ark.			Truck called out	9	AM On PM	11	AM Job PM Began	8
								AM Job PM ended	6

Depth of Casing	—	Depth of Well	5548	Condition of Well	good	Size Drill Pipe	4" H90	Size Tubing	—	Size Casing	—
Kind of Job	Straddle Test		Tool No.	4145	Pressure Device No.	BT 308 PRD 1476	Temperature Device No.	—			
Size of Rat Hole	6 1/8"	Length of Rat Hole	10' between	Condition Of Rat Hole	good	Ant. of Time Tool Open	3hrs. 30min.	Result of Test:	GAS <input type="checkbox"/>	OIL <input type="checkbox"/>	DRY <input type="checkbox"/>

TIME MIXING AND PUMPING	NO. SACKS	SIZE PACKER	KIND OF TOOL	DEPTH SET	PRESSURE	
					BREAKING FORM -	SQUEEZING
		5 1/2"	5 7/8" Hydrspring tester	5493'	Top	
			No jars run by request	5503'	bottom	
			J-50 closed in Press valve used.			

Price Job	R	305	\$ 254 00	Kind of Job & Explanation	Straddle test in Madison lime	Recovered
Packer Charge	R	307	\$ 75 00		gas to surface in 3 hrs 20 min.	30' clean oil
Other Charge (Explain)	R	335	\$ 15 00		5165' salt water	
TOTAL			\$ 344 00			

The Above Job Was Done, And All Tools Were Used Under The Exclusive Control, Direction And Supervision of the Owner, Operator or His Agent Whose Signature Appears Below.

T. M. Gass	Wolf Point, Mont.	J. W. Curnutt
HOWCO OPERATOR	LOCATION	OWNER, OPERATOR OR HIS AGENT

The Following Information is Urgently Requested in Order That We may Be Fully Advised And To Enable Us To Keep Our Standard of Service Up To The Highest Point.

Was Operation Of The Equipment Satisfactory? _____ Was The Job Satisfactorily Completed? _____

Suggestions: _____

COPY

No 57030

AT

J. W. Curnutt

OWNER, OPERATOR OR HIS AGENT

Form 2
Rev. 8-92

Submit In Quadruplicate To
Montana Board of Oil and Gas Conservation
Billings or State Office

ARM 36.22.307,
1003, 1004, 1011,
1013, 1103, 1222,
1301, 1306, and 1309

Sundry Notices and Report of Wells

Operator **Murphy Exploration & Production**

Lease Name:

East Poplar Unit No. 32

Address **P.O. Box 547**

Lease Type (Private/State/Federal):

Federal

City **Poplar** State **MT** Zip Code **59255**

Well Number:

32

Telephone Number (406) 768-3612 Telefax Number (406) 768-5497

Unit Agreement Name:

East Poplar Unit

Location of well (1/4-1/4 section and footage measurements):

1980' from the North line and 1980' from the East line
SUNE

Field Name or Wildcat:

East Poplar Unit

If directionally or horizontally drilled, show both surface and bottom hole locations)

Section, Township, and Range:

Sec. 15, R28N, R51E

API Number:

25 085 050 24

State County Well

Well Type (oil, gas, injection, other):

Oil

County:

Roosevelt

Indicate below with an X the nature of this notice, report, or other data:

Notice of Intention to Change Plans ☐
Notice of Intention to Run Mechanical Integrity Test ☐
Notice of Intention to Stimulate or to Chemically Treat ☐
Notice of Intention to Perforate or to Cement ☐
Notice of Intention to Abandon Well ☐
Notice of Intention to Pull or Alter Casing ☐
Notice of Intention to Change Well Status ☐
Supplemental Well History ☐
Other (specify) ☐

Subsequent Report of Mechanical Integrity Test ☐
Subsequent Report of Stimulation or Chemical Treatment ☒
Subsequent Report of Perforation of Cementing ☐
Subsequent Report of Well Abandonment ☐
Subsequent Report of Pulled or Altered Casing ☐
Subsequent Report of Drilling Waste Disposal ☐
Subsequent Report of Production Waste Disposal ☐
Subsequent Report of Change in Well Status ☐
Subsequent Report of Gas Analysis (ARM 36.22.1222) ☒

Describe Proposed or Completed Operations:

Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.

10-05-94 Move in rig up pulling unit. Pump 100 barrels corrosion inhibited 10.2# water down casing, 20 barrels down the tubing. Pull tubing and lay down.
10-06-94 Rig up Penkota Wireline run in to 5400' and set 5½" B.P. Rig down.
10-23-94 Pressure csing to 500#'s held for 30 minutes.

BOARD USE ONLY

NOV 14 1994

Approved _____
Date

Accepted for record purposes only

Name

Title

The undersigned hereby certifies that the information contained on this application is true and correct:

11-02-94

Date

Raymond D. Reede
Signed (Agent)

Raymond Reede, District Manager

Print Name & Title

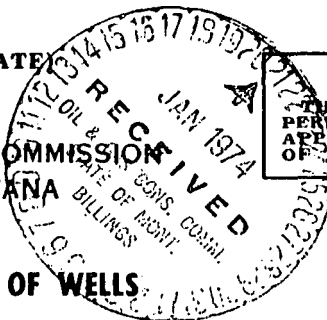
(BACKS: BLANK)

(SUBMIT IN QUADRUPPLICATE)

TO.

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS



NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	X
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	
		Zone Change	X

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

January 18, 1974

Following is a ~~REPORT OF WORK DONE~~ on land ~~LEASED~~ described as follows:

LEASE East Poplar Unit No. 32

MONTANA
(State)

Roosevelt
(County)

East Poplar Unit
(Field)

Well No. 32 C SW NE Section 15 T28N R51E MPM
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from ~~XXX~~ line and 1980 ft. from ~~XXX~~ line of Sec. 15

LOCATE ACCURATELY ON PLAT ON BACK OF THIS FORM THE WELL LOCATION, AND SHOW LEASE BOUNDARY

The elevation of the derrick floor above the sea level is 2078' G.L.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

A 5-1/2" C.I. bridge plug was set at 5770' with 1 sack of cement on top of plug. The A-2 and A-3 Zones were perforated from 5480-5496', 4 holes per foot. The well was acidized as follows: Circ. hole with salt water, set packer, pressure casing to 1000 PSI. Broke formation with 3400 PSI, 1/4 BPM injection Rate. Released pressure and packer. Spotted acid, set packer, and repressured casing to 1000 PSI. Pumped 3000 gallons of 28% HCL with inhibitor, emulsion breaker and sequestering agent added.

Maximum Injection Rate 1-1/2 BPM
Minimum Injection Rate 1/4 BPM
ISIP 600#

Maximum PSI 3400#
Minimum PSI 900#
10 Min. S.I. 500#

Workover Potential: 24 Hr. Test 213 BFPD 6 BOPD 207 BWPD 97% W.C.

Approved subject to conditions on reverse of form

Company MURPHY OIL CORPORATION

Date Jan. 23, 1974

By W. E. Brown

By Jackson D. Sweet District Office Agent Title

Title District Superintendent

Address P.O. Box 547, Poplar, Montana 59255

COMMISSION USE ONLY
API WELL NUMBER

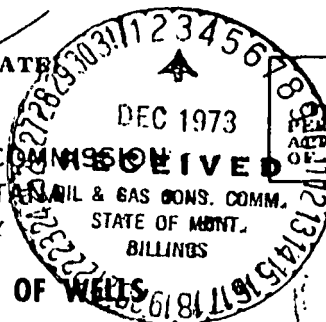
STATE	COUNTY	WELL
25		

NOTE:—Reports on this form to be submitted to the District Agent for Approval in Quadruplicate
WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

OVER

(SUBMIT IN QUADRUPPLICATE
TOOIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS



NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	X	Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	
Zone Change	X		

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

November 29, 1973

Following is a notice of intention to do work on land leased described as follows:

LEASE East Poplar Unit No. 32

MONTANA Roosevelt East Poplar Unit
(State) (County) (Field)

Well No. 32 C SW NE Section 15 T28N R51E MPM
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from N line and 1980 ft. from E line of Sec. 15

LOCATE ACCURATELY ON PLAT ON BACK OF THIS FORM THE WELL LOCATION, AND SHOW LEASE BOUNDARY

The elevation of the derrick floor above the sea level is 2078' G.L.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

At the present time this well is producing at the rate of 104 BFPD 4 BOPD 100 BWPD 96% W.C. which is uneconomical.

A bridge plug will be set with one sack of cement over the C-Zone. The A-Zone will be perforated at 5480-5496' with a thru tubing gun. The A-Zone will be acidized with 3000 gallons of 28% acid, if needed.

Approved subject to conditions on reverse of form

Date 12-3-73

By J. H. E. H. g District Office Agent

Title

Company MURPHY OIL CORPORATION

By W. B. Brown

Title District Superintendent

Address P.O. Box 547, Poplar, Montana 59255

COMMISSION USE ONLY
API WELL NUMBER

2	5								
STATE	COUNTY	WELL							

NOTE:—Reports on this form to be submitted to the District Agent for Approval in Quadruplicate

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

OVER

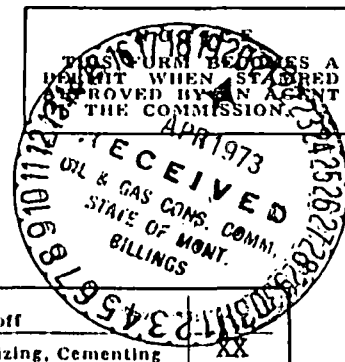
2

(SUBMIT IN QUADRUPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS



Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	XX
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 17, 1973

Following is a ~~report of work done~~ on land ~~owned~~ leased described as follows:

LEASE.....East Poplar Unit No. 32

MONTANA (State) Roosevelt (County) East Poplar Unit (Field)

Well No. 32 SW NE Section 15 T28N R51E MPM
(m. sec.) (Township) (Range) (Meridian)The well is located 1980 ft. from ~~N~~ line and 1980 ft. from ~~E~~ line of Sec. 15

LOCATE ACCURATELY ON PLAT ON BACK OF THIS FORM THE WELL LOCATION, AND SHOW LEASE BOUNDARY

The elevation of the derrick floor above the sea level is 2078' G.L.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

East Poplar Unit No. 32 was acidized with 3,000 gallons of 28% retarded, inhibited HCL acid as follows: Ran Baker Retrieromatic packer to 5770'. Filled hole, spotted acid 1 joint above packer and set packer. Pressured annulus to 500 PSI, Formation took acid at 3 BPM at 700 PSI and built to 1400 PSI with 34 bbls. in formation. Formation broke back to 1100 PSI with 50 bbls. in formation. Pressure slowly increased to 1200 PSI with all acid in formation. Pressure decreased to 1100 PSI with 20 bbls. overflush in formation.

ISI = 500 PSI 15 Min. S.I. - Vacuum

Workover Potential: 3 Hr. Test Pumped 23.11 BF = 185 BFPD 177 BWPD 7 BOPD
96% W.C.

Approved subject to conditions on reverse of form

Company MURPHY OIL CORPORATION

Date April 20, 1973

By W. H. Bruner

By Jackson D. Smith District Office Agent Title

Title District Superintendent

Address P.O. Box 547, Poplar, Montana 59255

COMMISSION USE ONLY
API WELL NUMBER

STATE	COUNTY	WELL
25		

NOTE:—Reports on this form to be submitted to the District Agent for Approval in Quadruplicate
WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

OVER

4

(SUBMIT IN QUADRUPPLICATE)

TO

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY
SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	XX	Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

February 26, 1973

Following is a notice of intention to do work on land leased described as follows:

LEASE East Poplar Unit No. 32

MONTANA (State) Roosevelt (County) East Poplar Unit (Field)

Well No. 32 SW NE Section 15 T28N R51E MPM
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from N line and 1980 ft. from E line of Sec. 15

LOCATE ACCURATELY ON PLAT ON BACK OF THIS FORM THE WELL LOCATION, AND SHOW LEASE BOUNDARY

The elevation of the derrick floor above the sea level is 2078' G.L.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

East Poplar Unit No. 32 is producing at the rate of 88 BFPD 5 BOPD 83 BWPD 94%
BS&W - Uneconomical. This well was completed in the C-3 Zone with perforations at
5790-5800'.

It is proposed to acidize this well with 3000 gallons of 28% retarded acid. A 15
BOPD increase is expected.

Approved subject to conditions on reverse of form

Date: 2-28-73

By: [Signature] District Office Agent

Title

Company: MURPHY OIL CORPORATION

By: [Signature]

Title: Acting District Superintendent

Address: P.O. Box 547, Poplar, Montana 59255

COMMISSION USE ONLY
API WELL NUMBER

STATE	COUNTY	WELL
25		

NOTE:—Reports on this form to be submitted to the District Agent for Approval in Quadruplicate

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

OVER

2

GENERAL RULES

201, 202, 213,
216, 219, 233.1

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

NOTICE!

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	XX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 5, 1954

Following is a { ~~notice of intention to do work~~ } on land { ~~owned~~ } described as follows:
report of work done leased

LEASE.....BLM-A-129305-A.....

.....MONTANA.....Roosevelt.....East Poplar.....
(State) (County) (Field)Well No. 32 SW NE Section 15 28N 51E "M.P.M."
(m. sec.) (Township) (Range) Meridian

The well is located.....1980.....ft. { S. } of.....N.....line and.....1980.....ft. { E. } of.....E.....line of Sec. 15.....

The elevation of the derrick floor above the sea level is.....2088 K.B.....

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK
RESULT

Ran 500 gallons of Dowell plugging material. Pressure climbed from 1400 to 3700 with 450 gallons in formation. By-passed 50 gallons up casing and acidized with 3000 gallons of etching acid. Average injection rate 2.7 BPM at 1800#. Flowed spent acid to surface in 7 minutes. Formation fluid in 32 minutes. After cleaning to pits flowed estimated rate of 100 BOPD and 400 BWP. Open flow.

RECEIVED

MAY 10 1954

APPROVED SUBJECT TO CONDITIONS
SHOWN ON REVERSE.OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGSApproved.....5-10-54.....
(Date).....Mark P. Sturley.....
Title.....Geologist-Engineer.....

District Office Agent

Company.....Murphy Corporation.....

By.....Hazel Milam.....

Title.....District Production Supt.....

Address.....Box 447, Poplar, Montana.....

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

(SUBMIT IN TRIPLICATE)

TO
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

NOTICE!
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	XXXXXX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 19, 1954

Following is a ~~notice of intention to do work~~ report of work done on land ~~owned~~ leased described as follows:

LEASE BIM-A-129305-A

MONTANA
(State)

Roosevelt
(County)

Montana
(Field)

Well No. 32 SW 1/4 Section 15 28N 51E M.P.M. Meridian
(m. sec.) (Township) (Range)

The well is located 1980 ft. { S. } of N line and 1980 ft. { E. } of W line of Sec. 15

The elevation of the derrick floor above the sea level is 2088 K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK
RESULT

Ran 188 joints (5809.10') of 5 1/2 inch, J-55, 15.50#, 8 rd. thd., Range 2 American Casing. Set at 5819, Schlumberger Measure. Landed 9.90' below RKB. HOWCO Roto-type Scratchers at 5479 to 5524, 5622 to 5694, and 5780 to 5817. Five HOWCO Centralizers at 5447, 5538, 5652, 5725, and 5802. Halliburton Automatic Fill-up Shoe at 5817 and Halliburton Baffle Collar at 5784. Cemented with 300 sacks of Pozmix. Plug down at 4:25 P.M., 4-17-54. Bumped plug with 1000#, released pressure and float held okay. Rotated pipe freely while cementing.

APPROVED SUBJECT TO CONDITIONS
SHOWN ON REVERSE.

Approved 4-28-54
(Date)

Title Geologist-Engineer

District Office Agent

RECEIVED

Company 1954 Murphy Corporation

By H. P. Milam
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
District Production Supt.

Address Box 447, Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

(SUBMIT IN TRIPLICATE)

TO
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

NOTICE!
THIS FORM BECOMES A
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APPROVED BY AN AGENT
OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	XXX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 16, 1954

Following is a ~~notice of intention to do work~~ report of work done on land ~~owned~~ leased described as follows:

LEASE BIM-A-129305-A

MONTANA
(State)

Roosevelt
(County)

Montana
(Field)

Well No. 32 SW NE Section 15 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. { S. } of N line and 1980 ft. { E. } of E line of Sec. 15
N. W.

The elevation of the derrick floor above the sea level is 2088 K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK
RESULT

Drill stem test #4: Testing C Zone. Total depth 5795 with single packer at 5777'. Tool open 1 hour. Tool opened at 4:10 P.M., 4-15-54, with fair blow, continued throughout test. Recovered 950' gas, 90' clean oil, 45' mud cut oil and 30' oil cut mud with no water. IBHFP-28#; FBHFP-85#; 20 minutes BHSIP-3090#; Hydro-3463#.

APPROVED SUBJECT TO CONDITIONS
SHOWN ON REVERSE.

RECEIVED

APR 22 1954

Approved 4-28-54
(Date)
Mark P. Autry
Geologist-Engineer

District Office Agent

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS
By M. H. Lerner

Title Ass't. Production Supt.

Address Box 447, Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

GENERAL RULES

201, 202, 213,
216, 219, 233.1

(SUBMIT IN TRIPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

NOTICE!

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION

RECEIVED

APR 24 1954

SUNDRY NOTICES AND REPORT OF WELLS

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	XXXX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 22, 1954

Following is a ~~report of work done~~ on land ~~owned~~ described as follows:

LEASE BLM-A-129305-A

MONTANA
(State)Roosevelt
(County)Montana
(Field)Well No. 32 SW NE Section 15 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. { S } of N line and 1980 ft. { W } of E line of Sec. 15

The elevation of the derrick floor above the sea level is 2088 K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK
RESULT

Ran 186 joints (5797.03') of 2 3/8", EUE, J-55, 8 rd. thd., American Tubing. Landed 9.10' below RKB and set at 5768.13' Schlumberger Measure. Displaced water with oil and perforated with Lane Wells Tubing Gun from 5790 to 5800, Schlumberger Measure, with 50 shots. Acidized with 1000 gallons Etching Acid. Formation broke at 2000#. Injected 2.4 barrels per minute at 1600#. Bled down to 1500# at end of job. Acid water to surface in 18 minutes. 10% oil, 90% acid water after 40 more minutes. Now flowing 70 to 90% water at the rate of 100 to 200 barrels of fluid per day open flow with 500# C.P. after 15 hours. Chlorides on water 16,000 PPM.

APPROVED SUBJECT TO CONDITIONS
SHOWN ON REVERSEApproved 4-26-54
(Date)Mark P. Thibault
Geologist-Engineer

District Office Agent

Company. Murphy Corporation

By Harold Milson

Title. District Production Supt.

Address. Box 447, Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

TO

NOTICE!
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

19, 233.1
RECEIVED

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

APR 15 1954

SUNDRY NOTICES AND REPORT OF WELLS

OIL AND GAS CONSERVATION COMMISSION

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off?		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	XXXX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 14, 1954

Following is a.

{	notice of intention to do work	}	on land	{	owned	}	described as follows:
	report of work done				leased		

LEASE.....BLM-A-029305-A

MONTANA
(State)

.....
(County)

.....
(Field)

Well No. 32 SW NE Section 15 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located.....1980.....ft. { S.
NY } of N.....line and.....1980.....ft. { XX
W } of.....E.....line of Sec.....15.....

The elevation of the derrick floor above the sea level is.....2088 K.B.....

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths in objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK RESULT

Drill stem test No. 2, straddle packers at 5632 to 5641. Tool open 4 hours, opened at 10:36, 4-12-54, with weak blow, increasing to very weak blow after 1½ hours. Continued throughout test. Recovered 60' gas, 5' clean oil, 565' salt water. IBHFP-15#; FBHFP-220#, 20 minutes BHSIP-2663#; Hydro-3463#. Bottom packer held okay.

Drill stem test No. 3, straddle packers, B-2 Zone, 5642 to 5653. Tool open 4 hours. Tool open at 8:12 A.M., 4-13-54, with very weak blow, increasing slightly after 3 hours. Recovered 30' muddy oil cut salt water, 1920' salt sulphur water. IBHFP-15#; FBHFP-985#; 20 minutes BHSIP-2690#; Hydro-3355#. Bottom packer held okay.

Approved.....7-13-54

Company.....Murphy Corporation

By M. H. James
Title Ass't. District Production Supt.

Title.....

District Office Agent

Address.....Box 447, Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

GENERAL RULES

201, 202, 213,
216, 219, 233.1

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

NOTICE!

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	XXXX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 12, 1954

Following is a { ~~notice of intention to do work~~ } on land { ~~owned~~ } described as follows:
report of work done { leased }

LEASE.....BIM-A-029305-A

.....MONTANA.....Roosevelt.....East Poplar
(State) (County) (Field)Well No. 32 SW 1/4 Section 15 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located.....1980.....ft. { S } of.....N.....line and.....1980.....ft. { W } of.....E.....line of Sec.....15

The elevation of the derrick floor above the sea level is.....2088 K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK
RESULT

5617' Drill stem test No. 1, straddle packers 5493 to 5503, total depth 5548. Tool open 3½ hours. Tool opened at 11:10 A.M., 4-8-54, with good blow, increasing to fair blow in 2½ hours. Gas to surface in 3 hours and 20 minutes. Recovered 30' of clean oil and 5165' of salt water. Tool would not close for shut-in pressure. IBHFP-26#; FBHFP-2503#; Hydro-3300, Bottom packer held okay.

RECEIVED

APR 15 1954

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGSApproved.....4-15-54.....
(Date)Mark P. Shelby
Seal Eng

District Office Agent

Company.....Murphy Corporation

By.....Hansel M. Mearns

Title.....District Production Supt.

Address.....Box 447, Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

GENERAL RULES

201, 202, 213,
216, 219-233

TO

NOTICE!

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

RECEIVED

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

APR 2 1954

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS
SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	XX
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

March 31, 1954

Following is a ~~notice of intention to do work~~ report of work done on land ~~owned~~ leased described as follows:

LEASE BLM-A-029305

MONTANA Roosevelt East Poplar Unit
(State) (County) (Field)Well No. 32 Section 15 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. { S. } of N line and 1980 ft. { E. } of W line of Sec. 15

The elevation of the derrick floor above the sea level is 2088 K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK
RESULT

Ran 23 joints, 980.55 feet of 9 5/8 inch, J-55, 36 lbs., Range 3, 8 rd. thread American Casing. Landed 12 feet below RKB and set at 992.55 feet. Two HOWCO Centralizers at 783 and 976. Cemented with 390 sacks as follows: 130 sacks of Ideal sack cement and 260 sacks of Ideal regular bulk cement with 2% CaCl in the last 200 sacks. Plug down at 6:15 A.M., 3-24-54. Bumped plug with 800#. Circulated approximately 100 sacks of clean cement. Released pressure. Float held okay.

Approved subject to conditions on

Approved 4-2-54 reverse.
(Date)

Title Geologist-Engineer

District Office Agent

Company Murphy Corporation

By Harold Milan
Title District Production Supt.

Address Box 447, Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

ENVIRONMENTAL
PROTECTION AGENCY
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NOV 5 1998

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WYOMING OFFICE

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. 14202564047
2. Name of Operator Murphy Exploration & Production Company	6. If Indian, Allottee or Tribe Name Ft. Peck
3. Address and Telephone No. P.O. Box 547, Poplar, MT 59255 (406-768-3612)	7. If Unit or CA, Agreement Designation East Poplar Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW NE Section 15, T28N, R51E	8. Well Name and No. EPU No. 32
	9. API Well No. 25-085-05024
	10. Field and Pool, or Exploratory Area East Poplar Unit
	11. County or Parish, State Roostvelt Montana

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Temporarily abandon	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We are in the process of running some 3-D seismographic in the East Poplar Unit and would like to retain the status of temporarily abandoned until the seismograph has been completed and evaluated.

14. I hereby certify that the foregoing is true and correct

Signed <u>Raymond Reed</u>	Title <u>District Manager</u>	Date <u>11-07/95</u>
(This space for Federal or State office use) Approved by <u>See Attached for Conditions of Approval</u>	Title <u>Acting ADM - Minerals</u>	Date <u>NOV 9 1995</u>

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Murphy Exploration & Production Company

3. Address and Telephone No.

P.O. Box 547, Poplar, MT 59255 (406-768-3612)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NE Section 15, T28N, R51E

5. Lease Designation and Serial No.

14202564047

6. If Indian, Allottee or Tribe Name

Ft. Peck

7. If Unit or CA, Agreement Designation

East Poplar Unit

8. Well Name and No.

EPU No. 32

9. API Well No.

05024

10. Field and Pool, or Exploratory Area

East Poplar Unit

11. County or Parish, State

Roosevelt
Montana

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

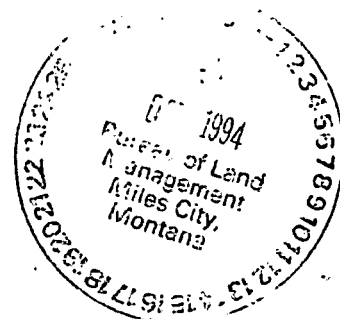
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10-05-94 Move in rig up pulling unit. Pump 100 barrels corrosion inhibited 10.2# water down casing, 20 barrels down the tubing. Pull tubing and lay down.

10-06-94 Rig up Penkota Wireline run in to 5400' and set 5½" B.P. Rig down.

10-23-94 Pressure casing to 500#'s held for 30 minutes.



14. I hereby certify that the foregoing is true and correct

Signed

Raymond Reedle

Title District Manager

Date 10-28-94

(This space for Federal or State office use)

Approved by

Nancy Allen Spencer

Title ADM - Minerals

Date NOV 1 1994

Conditions of approval, if any:

PA 11/1/94

See Attached for

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. 14202564047
2. Name of Operator Murphy Exploration & Production Company	6. If Indian, Allottee or Tribe Name Ft. Peck
3. Address and Telephone No. P.O. Box 547, Poplar, MT 59255 (768-3612)	7. If Unit or CA, Agreement Designation East Poplar Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SW NE Section 15, T28N, R51E	8. Well Name and No. East Poplar Unit #32
	9. API Well No. 05024
	10. Field and Pool, or Exploratory Area East Poplar Unit
	11. County or Parish, State Roosevelt Montana

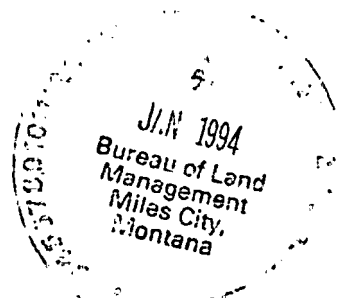
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

EPU No. 32 was producing from the A-2 and A-3 Zone 5480'-5496'. It is proposed to set a CIBP at 5400' and pressure test the casing to 300#. We would like to save this well bore while we evaluate some D.O.C. work being done in the area.



14. I hereby certify that the foregoing is true and correct		
Signed Raymond Reede	Title District Manager	Date 1-14-94
(This space for Federal or State office use)		
Approved by Arnold E. Dargatzis	Title ADM - Minerals	Date JAN 19 1994
Conditions of Approval, if any: ADT 1/18/94		See Attached for Conditions of Approval

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

BLM-A-029305-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Fort Peck

7. UNIT AGREEMENT NAME

East Poplar Unit

8. FARM OR LEASE NAME

East Poplar Unit

9. WELL NO.

No. 32

10. FIELD AND POOL, OR WILDCAT

East Poplar Unit

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA

C SW NE Section 15,
T28N, R51E

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	RECEIVED	
2. NAME OF OPERATOR Murphy Oil Corporation	DEC 3 1973	
3. ADDRESS OF OPERATOR P.O. Box 547, Poplar, Montana 59255	Billings, Montana	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		

1980' from the North line and 1980' from the East line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

2078' G.L.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL

<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

REPAIRING WELLS
ALTERING CASING
ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

(Other) Change Zones

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

East Poplar Unit well is producing at the rate of 104 BFPD. 4 BOPD. 100 BWPD. 1 96% W.C. which is uneconomical. Measured at 3 BOPD at 750' and built to 100' P.D. with a bridge plug will be set with one sack of cement over the C-Zone. The A-Zone will be perforated at 5480-5496' with a thru tubing gun. The A Zone will be acidized with 3000 gallons of 28% acid, if needed.

EST. 300 P.D. 15 Min. S.I. = 1000

Workover Person: J. Mr. 1000 ramped 25.12.73
36% W.C.

18. I hereby certify that the foregoing is true and correct

SIGNED

W. E. Brown

TITLE

District Superintendent

DATE

November 29, 1973

(This space for Federal or State office use)

APPROVED BY

W. E. Brown

TITLE

DISTRICT ENGINEER

DATE

12-5-73

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COPY RETAINED DISTRICT OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

BLM-A-029305-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Fort Peck

7. UNIT AGREEMENT NAME

East Poplar Unit

8. FARM OR LEASE NAME

East Poplar Unit

9. WELL NO.

No. 32

10. FIELD AND POOL, OR WILDCAT

East Poplar Unit

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA

C SW NE Section 15

T28N, R51E

12. COUNTY OR PARISH

Roosevelt

18. STATE

Montana

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Murphy Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 547, Poplar, Montana 59255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' from the North line and 1980' from the East line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ST, GR, etc.)

2078' G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☒
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☒
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

East Poplar Unit No. 32 was acidized with 3,000 gallons of 28% retarded, inhibited HCL acid as follows: Ran Baker Retrieromatic packer to 5770'. Filled hole, spotted acid 1 joint above packer and set packer. Pressured annulus to 500 PSI. Formation took acid at 3 BPM at 700 PSI and built to 1400 PSI with 34 bbls. in formation. Formation broke back to 1100 PSI with 50 bbls. in formation. Pressure slowly increased to 1200 PSI with all acid in formation. Pressure decreased to 1100 PSI with 20 bbls. overflush in formation.

ISI = 500 PSI 15 Min. S.I. = Vacuum

Workover Potential: 3 Hr. Test Pumped 23.11 BF = 185 BFPD 177 BWPD 7 BOPD 96% W.C.

U.S. GEOLOGICAL SURVEY
RECEIVED
APR 27 1973

18. I hereby certify that the foregoing is true and correct

SIGNED

W. H. Brown

TITLE District Superintendent

DATE

April 17, 1973

(This space for Federal or State office use)

APPROVED BY

W. H. Brown

TITLE

DISTRICT ENGINEER

DATE

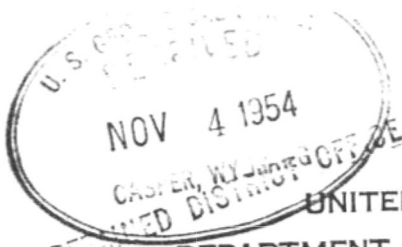
4-24-73

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COPY RETAINED DISTRICT OFFICE

U. S. LAND OFFICE Billings
SERIAL NUMBER BLM-A 429305-A
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FORMATION RECORD - Continued

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company MURPHY CORPORATION Address B-13 Behner Bldg, Billings, Montana
Lessor or Tract Field East Poplar State Montana
Well No. 32 Sec. 15 T. 28N R. 51E Meridian M.P.M. County Roosevelt
Location 1980 ft. [S.] of N. Line and 1980 ft. [W.] of E. Line of Section 15 Elevation 2088 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.

Signed

Harold Milan
Harold Milan

Title Dist. Production Superintendent

Date November 2, 1954

The summary on this page is for the condition of the well at above date.

Commenced drilling March 22, 1954 Finished drilling April 21, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>5497</u> to <u>5503</u>	No. 4, from <u>5792</u> to <u>5812</u>
No. 2, from <u>5636</u> to <u>5645</u>	No. 5, from to
No. 3, from <u>5654</u> to <u>5666</u>	No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to	No. 3, from to
No. 2, from to	No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	36	8	Nat'l	980.55'	Howco				
5-1/2"	25	8	Nat'l	5819'					

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	992.55'	390	Pump & Plug		
5-1/2"	5819'	300	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse)
ENVIRONMENTAL
PROTECTION AGENCYForm approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

14-20-0256-4750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Lewellyn L. Brown et al

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

NOV 5 1998

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>DRY HOLE</u>		MONTANA OFFICE		7. UNIT AGREEMENT NAME <u>None</u>	
2. NAME OF OPERATOR <u>Juniper Petroleum Corporation</u>				8. FARM OR LEASE NAME <u>Allotted 3047</u>	
3. ADDRESS OF OPERATOR <u>1660 Lincoln St., Ste. 2410, Denver, CO 80264 - 2498</u>				9. WELL NO. <u>1-21</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1980' FSL & 1980' FEL Sec. 21, T28N, R51E, MPM Roosevelt Co., Montana</u>				10. FIELD AND POOL, OR WILDCAT <u>S.W. Poplar</u>	
14. PERMIT NO. <u>59261</u>		15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>2061 GL</u>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 21, T28N, R51E</u>	
				12. COUNTY OR PARISH <u>Roosevelt Co., MT</u>	
				13. STATE <u>MT</u>	

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was plugged on 10 September, 1981 as follows:

Set cast iron bridge plug at 5700'. Dumped two sacks cement on top of bridge plug. Cemented top of 5 1/2" csg. with 10 sx. Casing was cut off five feet below ground level and an identifying marker was welded to the casing top.

FINAL REVIEW
Proprietary/Confidential Information
U. S. Gov't Use Only

10. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Staff Production EngineerDATE October 20, 1981

(This space for Federal or State office use)

APPROVED BY

TITLE

ADM-MINERALS

DATE

DEC 19 1981

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

63)

UP ELITE
SITE B
FT. BELK AGEN

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0256-4750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Lewellyn L. Brown et al

7. UNIT AGREEMENT NAME

None

8. FARM OR LEASE NAME

Allotted 3047

9. WELL NO.

1-21

10. FIELD AND POOL, OR WILDCAT

S. W. Poplar

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 21, T28N, R51E

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

1. OIL ☐ GAS ☐
WELL ☒ WELL ☐ OTHER

JUL 15 1981

2. NAME OF OPERATOR

Billings, Montana

JUNIPER PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

1660 Lincoln St., Ste. 2410, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980 FSL & 1980 FEL Sec. 21, T28N, R51E, MPM
Roosevelt County, Montana

14. PERMIT NO.

59261

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

2061 GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☒
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Propose to plug & Abandon subject well due to low productivity as follows:

1. Set Wireline cast iron bridge plug at 5800' KB with 2 sxs cement on top to plug Charles C-2, Perfs: 5902-5918.
2. Load hole with brine and set 10 sxs surface plug.
3. Cut of 2 5/8" and 5 1/2" casings below plow level, weld on plate and restore to original contour.

18. I hereby certify that the foregoing is true and correct

SIGNED

Kevin M. Fitzgerald
Kevin M. Fitzgerald

TITLE

Production Engineer

DATE

July 13, 1981

(This space for Federal or State office use)

APPROVED BY

Kevin M. Fitzgerald

TITLE

ACTING DISTRICT SUPERVISOR

DATE

7/15/81

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COPY TO: [illegible] [illegible]

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

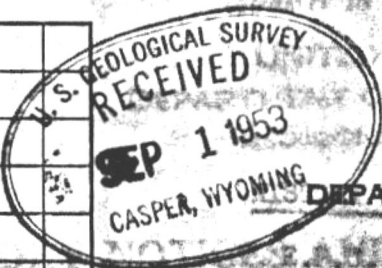
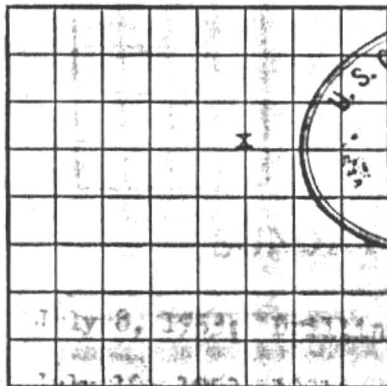
Form approved.
Budget Bureau No. 42-R255.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. 14-20-0256-4750			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Lewellyn L. Brown et al			
2. NAME OF OPERATOR Juniper Petroleum Corporation				7. UNIT AGREEMENT NAME None			
3. ADDRESS OF OPERATOR 1660 Lincoln St., Ste. 2410, Denver, Colorado 80264				8. FARM OR LEASE NAME Allotted 3047			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980 FSL & 1980 FEL Sec. 21, T28N, R51E, MPM At top prod. interval reported below Roosevelt Co., Montana At total depth				9. WELL NO. 1-21			
14. PERMIT NO. 59261				DATE ISSUED March 5, 1980		12. COUNTY OR PARISH Roosevelt	
						13. STATE Montana	
15. DATE SPUDDED 3/15/80	16. DATE T.D. REACHED 3/30/80	17. DATE COMPL. (Ready to prod.) 6/13/80	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 2061 GR		19. ELEV. CASINGHEAD 2061		
20. TOTAL DEPTH, MD & TVD 5966	21. PLUG, BACK T.D., MD & TVD 5929	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0-5966	CABLE TOOLS		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5902-5918, Charles C-2 Zone, Mississippian						25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterlog, GR/CNL/FDC						27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8 5/8"	24#	1409	13 3/4"	1025 sxs Circ. to sfc.			
5 1/2"	17#	5966	7 7/8"	150 sxs			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE 2 7/8"	DEPTH SET (MD) 5751	PACER SET (MD)
31. PERFORATION RECORD (Interval, size and number) 5902-5918, 4 jets per ft., 23 gram charges				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD) 5902-5918	AMOUNT AND KIND OF MATERIAL USED 2300 gals of 15% HCL (Acidized) 6000 gals 28% HCL & 400 gals gel wtr. 10000 gals 15% HCL (Acid frac.).		
33.* PRODUCTION							
DATE FIRST PRODUCTION 6/13/80		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 1 1/2" X 8'				WELL STATUS (Producing or shut-in) Shut IN (part'd rods)	
DATE OF TEST 6/13/80	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL. 6 1/2	GAS—MCF. 0	WATER—BBL. 98	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.) 37.50 @ 65°F	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Bruce M. Patterson		TITLE Staff Petroleum Engineer				DATE 10/3/80	

(See Instructions and Spaces for Additional Data on Reverse Side)

COPY FORWARDED TO CASPER

U. S. LAND OFFICE Billings
SERIAL NUMBER BLM-A-012245
LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Murphy Corporation Address Box 76 Main Floor Shoe at 1014.55'
Lessor of Tract East Poplar Unit Field Atlas Fork State Montana with 1000#
Well No. 26 Sec. 23 T. 28N R. 51E Meridian Principal County Roosevelt down at 9:00 P.M.,Location 1980ft of N. Line and 1980ft of E. Line of Sec. 23 Elevation 2192
(Denote floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Harold D. Moore Date August 18, 1953 Title District Production Supt. GIP-2900#

The summary on this page is for the condition of the well at above date.

Commenced drilling July 8, 1953 Finished drilling August 8, 1953OIL OR GAS SANDS OR ZONES
(Denote gas by (G))
No. 1, from A 5609 to 5619 No. 4, from C 5899 to 5916 water with trace
No. 2, from B-1 5738 to 5744 No. 5, from 5900 to 5900 water held okay.
No. 3, from B-2 5755 to 5765 No. 6, from 5900 to 5900 water held okay.IMPORTANT WATER SANDS
No. 1, from 1014.55 to 1014.55 No. 3, from 5900 to 5900
No. 2, from 1014.55 to 1014.55 No. 4, from 5900 to 5900

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
9 5/8	36#	8 rd. thd.	Spang	1001.55	Larkin	1014.55			279
5 1/2	16#	8 rd. thd.	Young	5900	5900	5900			5900

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	1014.55	400	Pump & Plug	1.25	1000
5 1/2	5940.00	250	Pump & Plug	1.25	1000

PLUGS AND ADAPTERS
Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
10 1/2						
5 1/2						

TOOLS USED

Rotary tools were used from 0 feet to 5943 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing August 8, 1953The production for the first 24 hours was 30.00 barrels of fluid of which 75 % was oil; 25 % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

ENVIRONMENTAL
PROTECTION AGENCY
SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)
NOV 5 1976
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REF. 26

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

BLM-A-012245-14-28-6-256-4043

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Assiniboine Sioux

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

East Poplar Unit

9. WELL NO.

No. 26

10. FIELD AND POOL, OR WILDCAT

East Poplar Unit

11. T. B., M., OR BLK. AND
SUBVEY OR AREA

SW NE Section 23,

T28N, R51E

12. COUNTY OR PARISH

Roosevelt

13. STATE

Montana

SUNDRY NOTICES AND REPORTS OF WELLS

(Do not use this form for proposals to drill or to deepen a well in a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Murphy Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 547, Poplar, Montana 59255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1980' from the North line and 1980' from the East line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

2181' G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was plugged and abandoned as follows:

A bridge plug was set at 4700' with a 10' cement plug on top. The casing was cut off at approximately 2009' and a 50 sack cement plug set at the top of the casing stub. A 100' cement plug was set at the bottom of the 9-5/8" surface casing, 50' in and 50' out. A 10' cement plug was set at the top of the surface pipe. The surface casing will be cut off 4' below ground level and a steel cap welded on top of the 9-5/8" casing. No dry hole marker is to be erected.

Surface restoration will be completed by November 1, 1976.

Proprietary / Confidential Information
U. S. Gov't Use Only

18. I hereby certify that the foregoing is true and correct

SIGNED

Billy D. McLean

TITLE

District Superintendent

DATE

September 28, 1976

(This space for Federal or State office use)

APPROVED BY

James K. M... (signature)

TITLE

ADM MINERALS

DATE

DEC 19 1984

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

BLM-A-012245

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Assiniboine Sioux

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

East Poplar Unit

9. WELL NO.

No. 26

10. FIELD AND POOL, OR WILDCAT

East Poplar Unit

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SW NE Section 23,

T28N, R51E

12. COUNTY OR PARISH 13. STATE

Roosevelt

Montana

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such purposes.)

RECEIVED

JUL 29 1976

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Murphy Oil Corporation

Billings, Montana

3. ADDRESS OF OPERATOR

P.O. Box 547, Poplar, Montana 59255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' from the North line and 1980' from the East line

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

2181' G.L.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)

It is proposed to plug and abandon this well as follows:

Set a bridge plug with wireline at 4700' with a 10' cement plug on top.

Cut 5-1/2" casing off at approximately 3600' and set a 50 sack cement plug at top
of casing stub.

Set a 100' cement plug at the top of the Dakota Sand, 3202'.

Set a 100' cement plug (50' in and 50' out) at bottom of 9-5/8" surface casing.

Set a 10' cement plug at top of surface casing. The surface casing will be cut off
4' below ground level and a steel cap welded on top of the 9-5/8" casing.

No dry hole marker is to be erected.

18. I hereby certify that the foregoing is true and correct

SIGNED ORIGINAL SIGNED BY
BILLY G. MELEAR

TITLE District Superintendent

DATE July 27, 1976

(This space for Federal or State office use)

ORIG. SGD.) VIRGIL L. PAULI

APPROVED BY

TITLE DISTRICT ENGINEER

DATE 9-3-76

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

ORIGINAL FILED IN 10 CASPER

T28N

R51E	
	X
23	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No. BLM-A-012245

Unit East Poplar

Ref 26

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL (Temp.) XX	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 21, 1962

Well No. 26 is located 1980 ft. from N line and 1980 ft. from E line of sec. 23

C. SW. NE. Section 23 (1/4 Sec. and Sec. No.)	T28N (Twp.)	R51E (Range)	M. P. M. (Meridian)
East Poplar (Field)	Roosevelt (County or Subdivision)	Montana (State or Territory)	

The elevation of the derrick floor above sea level is 2194 ft.

COPY RETAINED DISTRICT OFFICE

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

EPU #26 has been temporarily abandoned due to production depletion below economical limits. Casing will not be pulled or well plugged until further evaluation studies are made to determine possible use as pressure maintenance or S. W. disposal well. Completions have been attempted & made in the following intervals:

Perforations	Accum. Prod.	Status
5899-5908.5 (Completion)	113,775 BO, 875,407 BW	Depleted & squeezed (WO #1)
5637-5638 (WO #1)	None	Squeezed (WO #1)
5626-5631 (WO #1)	None	Squeezed (WO #1)
5625-5630 (WO #1)	None	Squeezed (WO #2)
5608-5613 (WO #2)	281 BO, 9,434 BW	Depleted & Temp. Abandoned

Casing is collapsed at 5690.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy Corporation

Address P. O. Box 547

Poplar, Montana

Approved SEP 26 1962
William A. Oden
District Engineer

By

Title Field Production Supt.

Form 9-331b
(April 1955)

U. S. GEOLOGICAL SURVEY

RECEIVED (SUBMIT IN TRIPLICATE)

RECEIVED

JAN 17 1962

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BILLINGS, MONTANA

Budget Bureau No. 42-R359.4
Approval expires 12-31-60.

Indian Agency Ft. Peck

Allottee _____

Lease No. BLM-A-012245

Ref. 24

T28N

23

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REPAIRING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

Notice of Intention to Squeeze Casing Leak and C-Zone ☒ XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January CASPER, WYOMING, 19 62

Well No. 26 is located 1980 ft. from N line and 1980 ft. from E line of sec. 23

C SW NE Section 23
(1/4 Sec. and Sec. No.)

28 N
(Twp.)

51 E
(Range)

M.P.M.
(Meridian)

East Poplar
(Field)

Roosevelt
(County or Subdivision)

Montana
(State or Territory)

The elevation of the derrick floor above sea level is 2194 ft.

COPY RETAINED DISTRICT OFFICE

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Set C. I. cement retainer at 5660' on W. L. Squeeze casing leak and C-Zone perforations w/100 sks. cement. Perforate the A-4 5637'. Acidize w/1000 gal. through C.I. cement retaining block. Squeeze w/40 sks. Latex cement. Pressure test squeeze. Perforate the top the the A-4 Zone 5626-31'. Swab test through retrievable packer, and acidize with 500 gal., if needed.

Approved JAN 17 1962
William C. Oden
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy Corporation

Address P.O. Box 547

Poplar, Montana

By *MY Jones*
Title Field Production Supt.

(SUBMIT IN QUADRUPPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

NOTICE

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	X
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

September 28, 1976

Following is a ~~XXXXXXXXXXXXXXXXXXXX~~ report of work done on land ~~XXXXXXXX~~ leased described as follows:

LEASE East Poplar Unit No. 26 ✓

MONTANA
(State)Roosevelt
(County)East Poplar Unit
(Field)Well No. 26 SW NE Section 23, T28N R51E MPM
(m. sec.) (Township) (Range) (Meridian)The well is located 1980 ft. from ~~XXXX~~ line and 1980 ft. from ~~XXXX~~ line of Sec. 23

LOCATE ACCURATELY ON PLAT ON BACK OF THIS FORM THE WELL LOCATION, AND SHOW LEASE BOUNDARY

The elevation of the derrick floor above the sea level is 2181' G.L.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

This well was plugged and abandoned as follows:

A bridge plug was set at 4700' with a 10' cement plug on top. The casing was cut off at approximately 2009' and a 50 sack cement plug set at the top of the casing stub. A 100' cement plug was set at the bottom of the 9-5/8" surface casing, 50' in and 50' out. A 10' cement plug was set at the top of the surface pipe. The surface casing will be cut off 4' below ground level and a steel cap welded on top of the 9-5/8" casing. No dry hole marker is to be erected.

Surface restoration will be completed by November 1, 1976.

LOCATION INSPECTED & APPROVED

Approved subject to conditions on reverse of form

Date OCT 16 1984

By *Blaine Hughes*
District Office Agent Title

Company Murphy Oil Corporation

By *Billy D. Mular*

Title District Superintendent

Address P.O. Box 547, Poplar, Montana 59255

COMMISSION USE ONLY
API WELL NUMBER

2	5	0	8	5	0	5	0	1	7
STATE		COUNTY				WELL			

NOTE:—Reports on this form to be submitted to the District Agent for Approval in Quadruplicate
WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

OVER

**Locate well by footage measurement from legal subdivision line, lease or property
line and nearest drilling or producible well, if any.**

Form No. 2
File at
Billings
or Shelby

Rge.....

Form No. 2
File at
Billings
or Shelby

Locate
Well
Correctly

Locate
Lease
Boundary

Twp.....

SCALE—1"=2000'

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand (7,000) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the casing and possible productive formation exposed in the process of drilling not otherwise protected.
8. All production strings of casing must be tested by bailing or pressure to determine if there is a tight bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

HISTORY COMPLETION

E.P.U. NO. 26

July 8, 1953; Drilling at 50 feet. Spudded at 3:00 A.M. 8-8-53.

July 10, 1953; 1021'. W.O.C. Ran 25 joints (1001.55') 9 5/8", 36#, J-55, 36#, 8 rd. thd., R-3 Class A Spang Casing. Landed 13' below RKB with Larkin Float Shoe at 1014'.55' 2 Baker Centralizers at 770 feet & 994 feet. 3 W&W Multi Flex scratchers at 830 feet to 900 feet and 950 feet. Cemented with 400 sacks, Atlas Bulk cement. Bumped plug with 1000#. Released pressure. Held okay. Circulated clean cement to surface. Plug down at 9:00 P.M., 7-10-53.

July 29, 1953; D.S.T. No. 1 with Johnston tool. 5620' to 5629', straddle packers, 1/2" bottom choke, no W.C. Open tool at 5:47 P.M. for 4 hours, closed 20 minutes. Open with good blow (bottom 5 gal. bucket 4 minutes) good blow throughout test. Gas to surface 2 3/4 hours. Reversed out 1400' clean oil, 2500' salty sulphur water with good show of oil, 1407' salty sulphur water with trace of oil, Chloride 97,000 PPM. IWHFP-250#, FBHFP-2300#, BHSIP-2900#, Hydro. 3250#.

August 1, 1953; 5788 feet. D.S.T. No. 2 with Johnston. 5750 to 5773. Straddle packers, 1/2 inch bottom choke, no water cushion. Open tool at 11:20 A.M. for 2 hours. Closed 20 minutes. Tool open with fair blow (bottom 5 gal. bucket 8 minutes) increased to good blow 10 minutes, continued rest of test. Recovered 279 feet muddy salt sulphur water with trace of oil. 651 feet salty sulphur water with trace of oil. 1570 feet salt sulphur water. Chl. 95,000 PPM. IBHFP-0, FBHFP-1200, BHSIP-2800#, Hydro-3300. Bottom packer held okay. D.S.T. No. 3 with Johnston. 5731 to 5744, 1/2 inch bottom choke, no water cushion. Open tool at 4:05 A.M. for 4 hours. Closed 20 minutes. Tool open with weak blow (under 3 inches water). Gas 1828 from surface. Recovered 62 feet clean oil. 93 feet muddy salt sulphur water with trace of oil. 121 feet salty sulphur water. Chl. 65,000 PPM. No flow pressure. Clock stopped. BHSIP-2600#, Hydro-3300#. Going in hole with bit.

August 4, 1953; 5943 feet Schlumberger. 5935 feet driller. Preparing to run casing. D. T. No. 4 with Johnston. 5888 feet to 5919 feet with straddle packers, 1/2 inch bottom choke, no water cushion. Open tool at 1:10 P.M., 8-3-53, for 4 hours. Closed 30 minutes. Tool open with fair blow (5 inches water in 10 minutes) throughout test. Gas 4773 feet down. Recovered 837 feet oil and gas cut mud. Abundance of oil, not salty to taste. 279 feet oil and gas cut mud with salty taste. Filtrate Chloride 20,000 PPM. FBHFP-50# FBHFP-450# BHSIP-3050#. Bottom packer leaked down to 2200#. Apparent through small fractures.

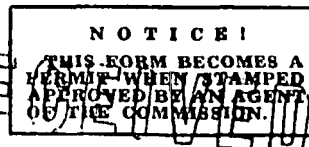
August 5, 1953; 5943 feet. W.O.C. Ran 190 joints (5927.90') 5 1/2 inch, 15.50#, J-55, 8 rd. thd., R-2 Class "A" Youngstown casing; landed 12.10 feet below RKB with Larkin float shoe at 5940 feet, Larkin float collar 5905.45 feet. Four Larkin centralizers at 5592', 5687', 5849', and 5928'. 120 feet Howco Roto-wall scratchers 5599'-5514'; 5'20'-5635'; 5722'-5737'; 5743'-5753'; 5761'-5781'; 5879'-5899'; 5911'-5926'; 5929'-5930'. Cemented with 250 sacks, 50% Pozmix, 50% Regular Ideal cement, with 2% Jel. Bumped plug with 1000#. Released pressure, held okay. Plug down 10:18 P.M., 8-4-53. Unable to rotate pipe, stuck after checking bottom. Note pipe set on Schlumberger measurement. Casing T.D., checked 5935 feet.

August 8, 1953; 5932 Lane Well. Drilled plug float collar at 5902 tubing measure. Drilled out cement to 5930. Tubing equals 5932 Lane Wells. Ran Gamma Ray Neutron and Collar Log. Perforated C zone 5899 to 5908.5 with 4 jet shots per foot shot on Lane Wells measure. Ran 193 joints (5884.53) 2 3/8 inch, EUE, 4.70#, J-55, 8 rd. thd., R-2 Class A American Tubing with 3.42 perforation, nipple bull plugged. Landed 10.10' below RKB. Top joint tubing 31.29, 192 joints tubing (5853.24). Perforated. Nipple bull plugged 3.42. Bottom of tubing 5898.05. Displaced mud with water, water with oil, open to test tank 1:00 A.M. to 5:00 A.M. Flowed 9 barrels displacement oil. TSIP-875. Acidized C zone 5899 to 5908.5 with 1000 gallons, 15 percent Regular Dowell acid. Formation started taking acid at 1800#. Displaced 5 barrels per minute at 2000#. Bled down to 800# and open to pit at 5:56 A.M. Flowed spent acid to surface 8 minutes. Fresh oil 24 minutes. Open to test tank 6:55 A.M., 40% water. Chl. 4,500 PPM. 8-8-53, 45 minutes test open flow, 55.50 barrels fluid, 30%. 1 hour test, 14/64 choke, 30.00 barrels fluid, 25 % water. Chl. 5,800 PPM., TFP-450, CP-650. Released rig at 9:15 A.M., 8-8-53.

(SUBMIT IN QUADRUPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY



APR 10 1962

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	
		Workover History #2	XX

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

April 3, 1962

Following is a ~~notice of intention to do work~~ report of work done on land ~~owned~~ leased described as follows:

LEASE BLM-A-012245

MONTANA (State) Roosevelt (County) East Poplar (Field)

Well No. 26 C SW NE Section 23 28N 51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from { N } line and 1980 ft. from { E } line of Sec. 23

(Locate accurately on Plat on back of this form the well location, and show lease boundary.)

The elevation of the derrick floor above the sea level is 2194 K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

See Attached Sheets

RECEIVED

APR 5 1962

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

Approved subject to conditions on reverse of form
Date 4-9-62
By [Signature] Title
District Office Agent

Company Murphy Corporation
By [Signature]
Title Field Production Superintendent
Address P. O. Box 547, Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL

OVER

Locate well by lge measurement from legal subdivision line, lease or property
line and nearest drilling or producible well, if any.

Form No. 2

File at
Billings
or Shelby:

Rge.....51E.....

Form No. 2

File at
Billings
or Shelby

Locate
Well
Correctly

Locate
Lease
Boundary

Twp.....28N.....

23

x

SCALE—1"=2000'

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the casing and possible productive formation exposed in the process of drilling not otherwise protected.
8. All production strings of casing must be tested by bailing or pressure to determine if there is a tight bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

WORKOVER HISTORY NO. 2

March 26, 1962

Lease & Well No. _____ East Poplar Unit Well No. 26

Field East Poplar County Roosevelt State MontanaWell Location C SW NE Section 23, T28N, R51EStatus Prior to Present Job:Date Completed August 8, 1953 Date Last Workover February 14, 1962T.D. 5943' P.B.T.D. 5634' Producing Zone A Zone of Madison FormationLatest Test Shut-In - Swabbed 96 BFPD, 99% water

RECEIVED

Justification for Workover:

APR 10 1962

To test the A-3 zone.

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANASummary of Workover:

- 3-15-62 5634' PBT.D. MI and RU plg unit. Press csg to 1500#. Broke form w/ 1100#. Sqzd w/40 axs of Latex cent w/HR-4 added. Sptd cmt down tbg. Stung into retainer at 5622'. Press csg to 1500#. Max sqz press 3700# w/30 axs in form. Rel to pmp truck, bled .5 bbls. Re-press to 3700# w/.5 bbls. Rev out 10 axs of cmt. Pld tbg out of hole. (A zone BHP after shut in approx 2 weeks at datum ~ 3600' 2809 psi which is normal A zone BHP.)
- 3-16-62 5620' PBT.D. Tstd sqz job to 1500#, held ok. Perf A zone 5608' to 5613' w/Lane-Weils N.C.F. II csg gun, 4 shots per ft. Ran Baker Model "R" pkr on tbg. Set pkr at 5604' swb down. First hr swbd at rate of 4 BPH, 96 BFPD (67 BWPD 29 BOPD) w/c 70%, chlorides 182,000 ppm. Second hr 2.28 BPH, 55 BFPD (49 BWPD 6 BOPD) w/c 90%. Acidized w/500 gals of Dowell 15% reg acid. Sptd acid down tbg. Press csg to 1500#. Press tbg to 2000#. Shut down pmp, bled to 400#. Resume pmpg at rate of 1/4 BPM. Press inc to 2600#, broke to 1000# w/2 bbls in form. Disp acid at rate of .5 BPM. Press dec to 1500# w/all acid in form. Open well to pit. Flwd acid to surf in 41 min. Flwd SW in 55 min. Switch to tst tk. Flwd 1 hr on 3/4" chk at rate of 20 BPH, 480 BFPD (471 BWPD 9 BOPD) w/c 98%, chloride 180,000 ppm. Switch to flw line. Flwd to tk bat overnight on 7/64 chk.
- 3-17-62 5620' PBT.D. Swbd displacement of tbg to pit. Switched to tst tk. Swbd 1 hr at rate of 33 BPH, 792 BFPD (752 BWPD 40 BOPD) w/c 95%, chlorides 181,000 ppm. Switched to tk bat on 16/64 chk to flw tst. Rig down plg unit.
- 3-18-62 5620' PBT.D. No test.
- 3-19-62 5620' PBT.D. Flwg in tst tk at #26, too weak to flw to bat. Flw rate 26/64" chk, open flw, 134 BFPD, 96% w/c (5 BO 129 BW).

Summary of Workover: continued

- 3-20-62 5620' PBTB. 25/64" chk 16 hr tst flwd at rate of 135 BFPD, 96% wtr (6 BO 129 BW). Flwg in tst on location. Chlorides of wtr 162,000 ppm.
- 3-21-62 5620' PBTB. Attempting to flw to tk bat. Tst and pit full SW. 95-96% w/c.
- 3-22-62 5620' PBTB. 26/64" chk, TFP 20#, 188 BFPD, 97% w/c (6 BO 182 BW).
- 3-23-62 5620' PBTB. Flwg open flw. 4 hr tst flwd to tk bat at rate 293 BFPD, 96% w/c (12 BO 281 BW).
- 3-24-62 5620' PBTB. Flwg to tk bat open flw. 24 hr tst 334 BFPD, 96% w/c, (13 BO 321 BW). A zone initial potential, to drop from report.

Recap of Workover:

1. Final Perforations: A Zone 5608'-5613'
2. Final PBTB: 5620'
3. Initial Potential after Workover: Flwg 334 BFPD, 96% w/c (13 BOPD 321 BFPD)
4. Geological name of Producing Zone: A Zone of Madison Formation
5. Downhole Equipment: 1 Baker Model "R" Packer set @ 5604'

Tubing Record

183 Jts	5586'
3 Subs	18'
	<hr/>
	5604'

RECEIVED

APR 10 1962

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

GENERAL RULES

201, 202, 213,
216, 219, 230,
231, 232

(SUBMIT IN QUADRUPPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well	X	Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

August 24, 1976

Following is a notice of intention to do work { on land { ~~XXXXXX~~ described as follows:
~~XXXXXX~~ leased

LEASE East Poplar Unit No. 26

MONTANA (State) Roosevelt (County) East Poplar Unit (Field)

Well No. 26 SW NE Section 23 T28N R51E MPM
(n. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from N line and 1980 ft. from E line of Sec. 23

LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM.

The elevation of the ground or K.B. above the sea level is 2181' G.L.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK
RESULT

It is proposed to plug and abandon this well as follows:

Set a bridge plug with wireline at 4700' with a 10' cement plug on top.

Cut 5-1/2" casing off at approximately 3600' and set a 50 sack cement plug at top of casing stub.

Set a 100' cement plug at the top of the Dakota Sand, 3202'.

Set a 100' cement plug (50' in and 50' out) at bottom of 9-5/8" surface casing.

Set a 10' cement plug at top of surface casing. The surface casing will be cut off 4' below ground level and a steel cap welded on top of the 9-5/8" casing.

No dry hole marker is to be erected.

Approved subject to conditions on reverse of form

Date SEP 7 1976

By *Blaine L. Hawley*
District Office Agent Title

Company MURPHY OIL CORPORATION

By *Blaine L. Hawley*

Title District Superintendent

Address P.O. Box 547, Poplar, Montana 59255

BOARD USE ONLY
API WELL NUMBER

2	5								
STATE	COUNTY	WELL							

NOTE:—Reports on this form to be submitted to the appropriate District for approval

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL IF WELL NOT SPIDDED OR EXTENSION REQUESTED.
OVER

**Locate well by footage measurement from legal subdivision (Section) line
and nearest drilling or producible well, if any.**

Form No. 2
File at
Billings
or Shelby

Form No. 2
File at
Billings
or Shelby

Locate
Well
Correctly

Twp.....

		Rge.....			

SCALE—1"=2000'

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
3. Cable tool operators must construct an adequate snump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered; unless special permission has been granted for formation shut-off.
5. Any production casing must be cemented unless a formation shut-off or packer is approved by the Board. Sufficient cement must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 230 and one copy of all cementing records as furnished by the cementing company and described in Rule 234.
11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

Other Method of Shutting off Water.....

Pump.....Tubing.....
 Sucker Rods.....Feet of Anchor.....
 Gas: I. P. per 24 hrs.....cu. ft. Rock Pressure.....lbs. sq. in.
 Date Connected to Line.....Line Pressure at Well.....lbs.

REMARKS

(Give additional details of drilling, and, if hole is dry or abandoned)

final condition of hole.)

1 7/8" B.P. 9/13 4125 O.P. 4 B.T. 7/11
 Spud 7/13/42 7/11

1015 938 S.P. 411.58 4426.7
 8 1/2" W. 5940 P.H. 250 ST.

TEST
 I.P.

T.D. 5943 Comp. 8/1/42

Flowed 30 ft. 25% water
 per hr. thru 1 1/2" ch.

ORIGINAL COPY TWO BY J. C. PARKER

OIL WELL LOG

LEFAX, PHILADELPHIA, PA. MADE IN U.S.A.

164

Log. of 6 1/4" Tur. 2 P. 2/4 1/2 Well
 Depth.....26 feet
 State.....County.....Reservoir

TR. MK. REG. U.S. PAT. OFF.

Section 23 T28 N. 51 E
 Operator.....Well No 26
 Lessor E. P. 26 Acres.....
 Location 1980 5/4 N 1980 1/2 E
 Elevation.....Total Depth.....
 (relative to sea level)

Type of Rig.....
 Method of Drilling.....
 Drilling Commenced.....Completed.....
 Drilling Contractor.....Deepened.....
 Kind of Fuel Used.....No. Days.....Amount.....
 No. Days Water Used.....Furnished By.....

OASING RECORD						SHOE	
Length	Size	Wt. per Foot	Landed at	Made	Pulled	Length	Make

PACKERS				
Date	Size	Set at	Make	How Tested, Result

TORPEDO RECORD					
Date	Put in By	Quarts	Ft. of Shell	Size	Shot Between ft. ft.

Commenced Producing.....I. P. per 24 hrs.....bbls.
 Average daily production after.....days.....bbls. After shot.....bbls.
 (Pumped or flowed)
 After 3 mos.....bbls.; 6 mos.....bbls.; 1 year.....bbls.
 Gravity.....°Bé. Color.....Water cut.....% water
 Δ Producer ○ Drilling * Gaser ☒ Dry ⊕ Abandoned

RECEIVED

(SUBMIT IN TRIPLICATE)

JUN 8 1953
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office...Billings.....

Lease No. ...BLM-A-012245A

Unit ...East Poplar.....

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	XXX	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO REPAIR OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS

June 5, 1953

Well No. 26 is located 1980 ft. from [N] line and 1980 ft. from [E] line of sec. 23

C. SW/4 NE/4 Sec. 23 28N 51E (Meridian)
(1/4 Sec. and Sec. No.) (Twp.) (Range)
East Poplar Roosevelt Montana
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9 5/8 inch surface pipe will be set at 1000 feet and cemented with 400 sacks. The total depth is expected to be 6000 feet so as to evaluate the producing horizon found in the Madison formation. 5 1/2 inch production string will be set at the total depth, cemented with 250 sacks. Adequate blow out preventers will be provided and inspected regularly. THIS IS NOW YOUR DRILLING PERMIT

APPROVED SUBJECT AND CONDITIONS SHOWN
ON REVERSE

(G. E. S. G.) H. H. PERCICCO

DISTRICT ENGINEER

JUN 8 1953

APPROVED AS OF

BY

OIL & GAS SUPERVISOR

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy Corporation

Address Box 76

Poplar, Montana

By Harold Milner

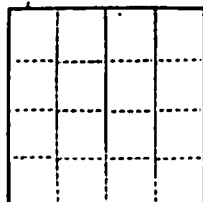
Title District Production Supt.

FEDERAL LAND

CONDITIONS OF APPROVAL

1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.
2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.
4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
5. Two copies of the log of this well on Form 9-330, or other acceptable form and when available two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator on completion of the well whichever is earlier.
6. The District Engineer, _____, shall be notified on Form 9-331a in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed work.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office **Billings**Lease No. **BLM-A-012245**Unit **East Poplar**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIRING.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 4, 1953

Well No. **26** is located **1980** ft. from **[N]** line and **1980** ft. from **[E]** line of sec. **23****C. SH. 4. NE 1/4 Sec. 23** **28 N** **51 E** **Principal****East Poplar** **Roosevelt** **Montana**The elevation of the ~~ground~~ floor above sea level is **2181** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. No. 26. DST No. 4 with Johnston. 5088 feet to 5919 feet with straddle packers, 1/2 inch bottom choke, no water cushion. Open tool at 1:10 P.M., 8-3-53, for 4 hours. Closed 30 minutes. Tool open with fair blow (5 inches water in 10 minutes) throughout test. Gas 4773 feet down. Recovered 837 feet oil and gas cut mud. Abundance of oil, not salty to taste. 279 feet oil and gas cut mud with salty taste. Filtrate Chloride 20,000 PPM. IDHFP-50# FBHFP-1,50# DHSIP-3050# Hydro. 3300#. Bottom packer leaked down to 2200#. Apparent through small fractures.

Approved **AUG 10 1953**
(Grig. Sgd.) **H. H. PENNING**

District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Murphy Corporation**Address **Box 76****Poplar, Montana**By **M. Y. James**

Title

Ass't. District Production Supt.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office BillingsLease No. 2121-1-012245Unit East Poplar

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 3, 1953

Well No. 26 is located 1980 ft. from [N] line and 1980 ft. from [E] line of sec. 23C-341, Twp. 23 28 N 51 E PrincipalEast Poplar Boonville MontanaThe elevation of the ground floor above sea level is 2181 ft.Approved AUG 10 1953(Offg. Sec.) H. H. Pennick

District Engineer

DETAILS OF WORK

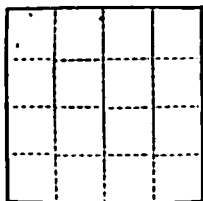
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. No. 26, 5788 feet. DST No. 2 with Johnston. 5750 to 5773. Straddle packers, $\frac{1}{2}$ inch bottom choke, no water cushion. Open tool at 11:20 A.M. for 2 hours. Closed 20 minutes. Tool open with fair blow (bottom 5 gal. bucket 8 minutes), increased to good blow in 10 minutes, continued rest of test. Recovered 279 feet muddy salt sulphur water with trace of oil. 651 feet salt sulphur water with trace of oil. 1570 feet salt sulphur water. Chl. 95,000 PPM. IBHFP-0, FOHFP-1200, BHSIP-2800 lbs., Hydro.-3300. Bottom packer held okay. DST No. 3 with Johnston. 5731 to 5744, $\frac{1}{2}$ inch bottom choke, no water cushion. Open tool at 4:05 A.M. for 4 hours. Closed 20 minutes. Tool open with weak blow (under 3 inches water). Gas 1828 from surface. Recovered 62 feet clean oil. 93 feet muddy salt sulphur water with trace of oil. 121 feet salt sulphur water. Chl. 65,000 PPM. No flow pressure. Clock stopped. BHSIP-2600 lbs., Hydro.-3300 lbs. Going in hole with bit.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy CorporationAddress Box 76Poplar, MontanaBy M. Y. JamesTitle Assistant District Production Supt.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office BLM-A-012245Lease No. East PoplarUnit Poplar

RECEIVED

AUG 3 1953

U. S. GEOLOGICAL SURVEY

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 26 is located 1900 ft. from [N] line and 1900 ft. from [E] line of sec. 23
[S] [W]
XXX XXX

C SW 1/4 Sec 23 (Twp) 11 (Range) 1 (Section)
East Poplar (Town) Roosevelt (Subdivision) Montana (State or Territory)

The elevation of the drill floor above sea level is 2101 ft.
XXXXXX

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. No. 26. D.S.T. No. 1 with Johnston tool. 5620' to 5629', straddle packers, 3" bottom choke, no water cushion. Open tool at 5:47 P.M. for 4 hours, closed 20 minutes. Open with good blow (bottom 5 gal. bucket 4 minutes) good blow throughout test. Gas to surface 2 3/4 hours. Reversed out 1400' clean oil, 2500' salty sulphur water with good show of oil, 1407' salty sulphur water with trace of oil, chloride 97,000 PPM. IBHFP-250#, FBHFP-2300#, BHSIP-2900#, Hydro. 3250#.

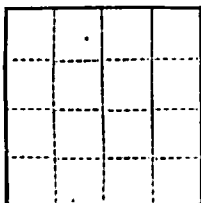
Approved AUG 10 1953
(Orig. Sgd.) H. H. PENNICO

District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy CorporationAddress Box 76Poplar, MontanaBy Harold M. ...
District Production Supt.

Title _____



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office BillingsLease No. BLM-1-012245Unit East Poplar

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED
JUN 8 1953

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING.....	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT.....	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY.....	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....	<input type="checkbox"/>		

(INDICATE ABOVE BY CHECKING BOXES, OR BY OTHER DATA)

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

BILLINGS

June 5

1953

Well No. 26 is located 1980 ft. from N line and 1900 ft. from E line of sec. 23C SW/4 NE/4 Sec. 23

(1/4 Sec. and Sec. No.)

28N

(Twp.)

51E

(Range)

(Meridian)

East Poplar

(Field)

Roosevelt

(County or Subdivision)

Montana

(State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9 5/8 inch surface pipe will be set at 1000 feet and cemented with 400 sacks. The total depth is expected to be 6000 feet so as to evaluate the producing horizon found in the Madison formation. 5 1/2 inch production string will be set at the total depth, cemented with 250 sacks. Adequate blow out preventers will be provided and inspected regularly.

THIS IS NOW YOUR DRILLING PERMIT

APPROVED AS OF 6/8/53BY J. A. Platt

OIL & GAS SUPERVISOR

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

APPROVED SUBJECT TO CONDITIONS HEREIN

(Grig. Sgd.) H. H. PERRISS

DISTRICT ENGINEER

JUN 8 - 1953

DATE

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

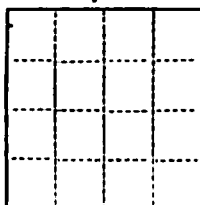
Company Murphy CorporationAddress Box 76Poplar, MontanaBy Harold MillerTitle District Production Supt.

FEDERAL LAND

CONDITIONS OF APPROVAL

1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.
2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.
4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
5. Two copies of the log of this well on Form 9-330, or other acceptable form and when available two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator on completion of the well whichever is earlier.
6. The District Engineer, _____, shall be notified on Form 9-331a in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed work.

(SUBMIT IN TRIPLICATE)

Land Office BillingsLease No. HM-4-012245Unit East PoplarUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED
JUL 22 1953

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS

July 15, 1953

Well No. 26 is located 1980 ft. from N line and 1980 ft. from E line of sec. 236 SW/4 NE/4 Sec. 23
(1/4 Sec. and Sec. No.)28N
(Twp.)51E
(Range)Principal
(Meridian)East Poplar
(Field)Roosevelt
(County or Subdivision)Montana
(State or Territory)The elevation of the ^{ground}derrick floor above sea level is 2181 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

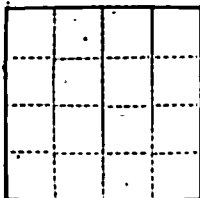
L.P.U. No. 26 Spudded 3:00 A.M., 7-8-53. Ran 25 joints, (1001.55'), 9 5/8 inch, 36#, 3-55, 8 rd. thd., R-3, Class A Spang casing. Landed 13 feet below HKB with Larkin float shoe at 1014.55'. 2 Baker centralisers at 770' and 994'. 3 BAW Multi-Flex scratchers at 830', 900', and 950'. Cement with 400 sax Atlas Bulk Cement. Dumped plug with 1000 lbs. Released pressure. Held OK. Circulated clean cement to surface. Plug down at 9:00 P.M. 7-10-53.

Approved JUL 27 1953
(Grig. Sgd.) M. H. PENNING
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy CorporationAddress Box 76Poplar, MontanaBy Harold McLeanTitle District Production Supt.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office **Billings**Lease No. **BIM-A-012245**Unit **East Poplar**SUNDRY NOTICES AND REPORTS ON WELLS **AUG 19 1953**

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	XXX
NOTICE OF INTENTION TO ABANDON WELL.....		

AUG 22 1953 (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS

August 14, 1953

Well No. **26** is located **1980** ft. from **N** line and **1900** ft. from **E** line of sec. **23**G **SW 1/4** NE **1/4** Sec. **23** (Twp.) **51E** (Range) **Pringville** (Maiden)**East Poplar** (Field) **Roosevelt** (County or Subdivision) **Montana** (State or Territory)The elevation of the **ground** floor above sea level is **2161** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PBTD. 5932 Lane Well. Drilled plug float collar at 5902 tubing measure. Drilled out cement to 5930. Tubing equals 5932 Lane Wells. Ran Gamma Ray Neutron and Collar Log. Perforated C zone 5899 to 5908.5 with 4 jet shots per foot shot on Lane Wells measure. Ran 193 joints (5884.53'), 2 3/8 inch, EUE, 4.70#, J-55, 8 rd. thd., R-2 Class A American Tubing with 3.42 perforation. Nipple bull plugged. Landed 10.10' below RKB. Top joint tubing 31.29, 192 joints tubing (5853.24). Perforated. Nipple bull plugged 3.42. Bottom of tubing 5898.05. Displaced mud with water, water with oil. Open to test tank 1:00 AM to 5:00 AM. Flowed 9 barrels displacement oil. TSIP-875. Acidized C zone 5899 to 5908.5 with 1000 gallons, 15 percent Regular Dowell acid. Formation started taking acid at 1800#. Displaced 5 barrels per minute at 2000#. Bled down to 800# and open to pit at 5:56 AM. Flowed spent acid to surface 8 minutes. Fresh oil 24 minutes. Open to test tank 6:55 AM. 40 percent water. Chl. 4,5000 PPM. 8-8-53, 45 minutes test open flow, 55.50 barrels fluid, 30 percent. 1 hour test, 14/64 choke, 30.00 barrels fluid, 25 percent water. Chl. 5,800 PPM, 17-450, 8-8-53. Released rig at 9:15 AM, 8-8-53.

Company **Murphy Corporation**Address **Box 76****Poplar, Montana****AUG 21 1953**

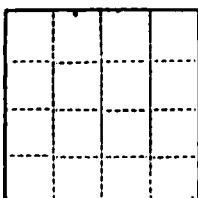
Approved _____

(Orig. Sgd.) **H. H. PERRIGO**

District Engineer

By **Harold Miller**Title **District Production Supt.**

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office BillingsLease No. BLM-A-012245Unit East Poplar

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	
NOTICE OF INTENTION TO CHANGE PLANS	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	
NOTICE OF INTENTION TO PULL OR ALTER CASING	
NOTICE OF INTENTION TO ABANDON WELL	
SUBSEQUENT REPORT OF WATER SHUT-OFF	
SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
SUBSEQUENT REPORT OF ALTERING CASING	
SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
SUBSEQUENT REPORT OF ABANDONMENT	
SUPPLEMENTARY WELL HISTORY	<u>XII</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 5, 1953

Well No. 26 is located 1980 ft. from N line and 1980 ft. from E line of sec. 23C. SW 1/4 NE 1/4 Sec. 23 T. 28 N. R. 51 E Principal

East Poplar Roosevelt Montana

The elevation of the ground floor above sea level is 2181 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. No. 26. Ran 190 joints (5929-90') 5 1/2 inch, 15.50#, J-55, 8 rd. thd. R-2 Class "A" Youngstown casing; landed 12.00 feet below RKB with Larkin float shoe at 5940 feet, Larkin float collar 5905.45 feet. Four Larkin centralizers at 5592', 5687', 5849, and 5928'. 120 feet Howco Roto-wall scratchers 5599'-5511'; 5620'-5635'; 5722'-5737'; 5743'-5753'; 5761'-5781'; 5879'-5899'; 5911'-5926'; 5929'-5930'. Cemented with 250 sacks, 50% Pozmix, 50% Regular Ideal cement, with 2% Jel. Bumped plug with 1000#. Released pressure, held okay. Plug down 10:18 P.M., 8-4-53. Unable to rotate pipe, stuck after checking bottom. Note pipe set on Schlumberger measurement. Casing T.D., checked 5935 feet.

Approved AUG 10 1953

(Griz. Sgd.) H. H. PENNING

District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Murphy CorporationAddress Box 76Poplar, MontanaBy M. L. JamesTitle Asst. District Production Supt.

T28N

U. S. GEOLOGICAL SURVEY

RECEIVED SUBMIT IN TRIPLICATE)

APR 5 1962
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BILLINGS, MONTANALand Office
Lease No. **BLM-A-012245**
Unit **East Poplar**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	Workover History #2	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 3, 1962

Well No. **26** is located **1980** ft. from **[N]** line and **1980** ft. from **[E]** line of sec. **23**
C SW NE Section 23 **28N** **51E** **M.P.M.**
(~~1/4~~ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
East Poplar **Roosevelt** **Montana**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **2194** ft. **K.B.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate casing points, and all other important proposed work)

See Attached Sheets

RECEIVED
APR 6 - 1962
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGSApproved **ETR 5 1962**
(ORIG. SGD.) **HILLARY A. ODEN**
District Engineer

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **MURPHY CORPORATION**Address **P. O. Box 347****Poplar, Montana**By **ORIGINAL SIGNED BY M. T. JAMES**Title **Field Production Superintendent**

T28N

U. S. GEOLOGICAL SURVEY

RECEIVED SUBMIT IN TRIPLICATE

SEP 26 1962
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BILLINGS, MONTANA

Land Office

Lease No. **RLM-A-012249**Unit **East Poplar**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL (Temp.) XX	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 21, 1962

Well No. **26** is located **1980** ft. from **[N]** line and **1980** ft. from **[E]** line of sec. **23****Q. 8W NE Section 23**
(1/4 Sec. and Sec. No.)**T28N**
(Twp.)**R51E**
(Range)**M. P. M.**
(Meridian)**East Poplar**
(Field)**Roosevelt**
(County or Subdivision)**Montana**
(State or Territory)

OCT 1 1962

The elevation of the derrick floor above sea level is **2194** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

WPU #26 has been temporarily abandoned due to production depletion below economical limits. Casing will not be pulled or well plugged until further evaluation studies are made to determine possible use as pressure maintenance or S. W. disposal well. Completions have been attempted in the following intervals:

Perforations	Accum. Prod.	Status
5899-5908.5 (Completion)	113,775 BO, 875,407 BW	Depleted & squeezed (WO #1)
5637-5638 (WO #1)	None	Squeezed (WO #1)
5626-5631 (WO #1)	None	Squeezed (WO #1)
5625-5630 (WO #1)	None	Squeezed (WO #2)
5608-5613 (WO #2)	281 BO, 9,434 BW	Depleted & Temp. Abandoned

Casing is collapsed at 5690.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Murphy Corporation**Address **P. O. Box 347****Poplar, Montana**Approved **SEP 26 1962**
(ORIG. SGD.) **HILLARY A. ODEN**
District EngineerBy **ORIGINAL SIGNED BY M. T. JAMES**Title **Field Production Supt.**

GENERAL RULES

201, 202, 213,
210, 219, 233.1

(SUBMIT IN QUADRUPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

NOTICE!

THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION

OCT 1 1962

SUNDRY NOTICES AND REPORT OF WELLS

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA	
Notice of Intention to Drill	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing	Supplementary Well History
Notice of Intention to Abandon Well (Temp.) xx	Report of Fracturing

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

September 21, 1962

Following is a { notice of intention to do work } on land { ~~owned~~ leased } described as follows:

LEASE BLM-A-012245

MONTANA
(State)Roosevelt
(County)East Poplar
(Field)Well No. 26 C SW NE Section 23 T28N R51E M.P.M.
(m. sec.) (Township) (Range) (Meridian)

The well is located 1980 ft. from { N } line and 1980 ft. from { E } line of Sec. 23

(Locate accurately on Plat on back of this form the well location, and show lease boundary.)

The elevation of the derrick floor above the sea level is 2194 K.B.

RECEIVED

SEP 26 1962

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casing, including cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing, etc.)

DETAILS OF WORK
RESULT

EPU #26 has been temporarily abandoned due to production depletion below economical limits. Casing will not be pulled or well plugged until further evaluation studies are made to determine possible use as pressure maintenance or S. W. disposal well. Completions have been attempted & made in the following intervals:

Perforations	Accum. Prod.	Status
5899-5908.5 (Completion)	113,775 BO, 875,407 BW	Depleted & squeezed (WO #1)
5637-5638 (WO #2)	None	Squeezed (WO #1)
5626-5631 (WO #1)	None	Squeezed (WO #1)
5625-5630 (WO #1)	None	Squeezed (WO #2)
5608-5613 (WO #2)	281 BO, 9,434 BW	Depleted & Temp. Abandoned

Casing is collapsed at 5690.

Approved subject to conditions on reverse of form

Company Murphy Corporation

Date Sept 28, 1962

By M. Y. James

By P. M. Watkins

Title Field Production Supt.

USGS 9/26/62
District Office Agent

Address Poplar, Montana

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL

OVER

CEMENTING SERVICE
TICKET

No. 08 825329

DATE -15-62	CUSTOMER'S ORDER NO.	CUSTOMER'S REG. NO.	SEC. 23	TWP. 28	Range 51	TRUCK CALLED OUT 4AM	ON LOCATION DATE A. M. P. M. 8AM	JOB BEGAN DATE A. M. P. M. 10AM	JOB COMPLETED DATE A. M. P. M. 11:30AM
----------------	----------------------	---------------------	------------	------------	-------------	-------------------------	--	---	--

WELL NO. AND FARM FU #26	PLACE OR DESTINATION E. Foplar	COUNTY Roosevelt	STATE Montana
-----------------------------	-----------------------------------	---------------------	------------------

TYPE 1 <input type="checkbox"/> WORKOVER 2 <input type="checkbox"/> EXPLORATORY OF WELL 3 <input type="checkbox"/> DEVELOPMENT 4 <input type="checkbox"/> OTHER	OWNER Murphy Corp.	CONTRACTOR Western Oil Field Svc.
--	-----------------------	--------------------------------------

CUS. INV. REQ. ORIG. & <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> OTHER	CHARGE TO Murphy Corp.
	MAILING ADDRESS Murphy Bldg.
	CITY AND STATE El Dorado, Ark.
	No. Copies

OWNER, OPERATOR OR HIS AGENT STATES THE WELL IS IN CONDITION FOR THE SERVICE JOB TO BE PERFORMED AND SUBMITS THE FOLLOWING DATA:									
TYPE OF JOB (/) ONE		CASING		HOLE DATA		TUBING OR DRILL PIPE		CEMENTING PACKER	
SURFACE		NEW		BORE SIZE		SIZE	2"	SIZE	5 1/2"
INTERMEDIATE		USED							
PRODUCTION		SIZE	5 1/2"	TOTAL DEPTH		TYPE	BLUE	TYPE	Baker Mod. K
SQUEEZE	X	WEIGHT	15.5	ROTARY		WEIGHT	4.75	WEIGHT	15.5
PUMPING		DEPTH		CABLE TOOL		TOTAL DEPTH	5622'	DEPTH SET	5622'
PLUG BACK		TYPE							
GROUTING									
OTHER (write in)									

SQUEEZE OR PLUG BACK DATA					CEMENT DATA				
PURPOSE	Depth From	TO APPROX.	CASING IN SIZE	HOLE	BULK? SACKS	SACKED? TYPE	MIXED WT. PER GAL.	15'	
WATER	X	5625'	5630'	5 1/2"	40	Reg.	Dacotah		
GAS									
Abandon									

OTHER DATA ON SERVICE OPERATION	
PLUGS AND HEADS	PRESSURE
BOTTOM PLUG TYPE	CIRCULATING
TOP PLUG TYPE	MINIMUM
TYPE HEAD	MAXIMUM 2500

CEMENT LEFT IN CASING	FT.
<input type="checkbox"/> BY REQUEST <input type="checkbox"/> NECESSITY	MEASURED WITH LINE?

The following information is urgently requested in order that we may be fully advised, and to enable us to keep our standard of service up to the highest point.

WAS OPERATION OF THE CEMENT- WAS THE WORK OF THE CREW PER-
FORMING EQUIPMENT SATISFACTORY? FORMED IN A SATISFACTORY MANNER?

WAS CEMENTING JOB SATISFACTORILY COMPLETED? SUGGESTIONS:

R. R. Shumake	
OWNER, OPERATOR OR HIS AGENT	

TRUCK NO. & TYPE	TRUCK LOCATION	TITLE	NAME
454 DT-10	Olendive Montana	Cementer	Gullickson
		Driver	Brown
		Cementer	
		Driver	
		Cementer	
		Driver	
		Cementer	
		Driver	

INVOICE SECTION		
DEPTH OF JOB	FT.	
PRICE REF.	SERVICE AND RENTAL CHARGES	AMOUNT
	BASE CHARGE	FT.
	FT. Per Ft.	
	FT. per 100' or Fraction	
	EXTRA TRUCK	
	STAND BY TRUCK	
	MILEAGE @	
TERMS \$ NET If paid by 20th. of following month. 6% SUB-interest charged after 60 days from date TOTAL of invoice.		
TAX ADJUSTMENT MAY BE DEDUCTED IF DISCOUNTED		
This is to certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to the services furnished covered by this invoice.		
PRINTED IN U.S.A.		
TAX		TOTAL

COPY

TO

BILLINGS OR SHELBY

NOTICE!
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

RECEIVED

MAY 27 1955

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, or Cementing	
Notice of Intention to Test Water Shut-off?		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well		Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

May 23

59
19....

Following is a { notice of intention to do work } on land { owned } described as follows:
 { report of work done } { leased }

LEASE BLM-A-012245 (E.P.U.)

MONTANA
(State)

Roosevelt

East Poplar

Well No. 55 NW SW Section 23 28N 51E M.P.M.

The well is located 1980 ft. { ~~XX~~ } of South line and 660 ft. { E. } of West line of Sec 23

The elevation of the derrick floor above the sea level is 2230' K.B.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK RESULT

Spudded at 9:00 P.M. 5-13-55. Ran 33 jts. 1046.86' of 9-5/8" #36, J-55, R-2, 8rd. thd. American Casing. Landed 11.25' below RKB and set at 1058.11'. Cemented with 400 sacks of regular cement with 2 percent CaCl_2 . Plug down at 12:40 A.M. 5-15-55. Bumped plug with 1000#. Released pressure. Float held OK. Circulated approximately 50 sacks of clean cement.

APPROVED USGS 5-31-55

APPROVED SUBJECT TO CONDITIONS SHOWN ON REVERSE

Approved.....6-7-33.....

Company.....MURPHY CORPORATION

By Harold Milam *Harold Milam*

Title.....

Title... Division... Production... Superintendent.....

District Office Agent

Address..B-13..Behner..Bldg.,...Billings,....Mont.....

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

File at
Billings
on Shelby

Locate Well Correctly

Form No. 2

**File at
Billings
or Shelby**

Locate Well Correctly

[illegible]

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less; twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
4. Surface or conductor casing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the casing and possible productive formation exposed in the process of drilling not otherwise protected.
8. All production strings of casing must be tested by bailing or pressure to determine if there is a tight bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State agent of the district together with four copies of the log, upon completion of the well.
12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

COMPLETION DATA

JUN 30 1955

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

CASINO: Ran 33 jts. 1046.86' of 9-5/8" 36#, J-55, R-2, 8rd. thd. American casing. Landed 11.25' below RKB and set at 1058.11'. Cemented with 400 sacks of regular cement with 2 percent CaCl_2 . Plug down at 12:40 A.M., 5-15-55. Bumped plug with 1000#. Released pressure. Float held OK. Circulated approximately 50 sacks of clean cement.

Ran 187 jts. 5922.60' of 5-1/2", 15.50#, J-55, 8rd. thd., R-2 American casing, landed 9.90' below RKB. Howco fill-up shoe at 5932.50', baffle collar at 5897.25'. 145' of Howco Roto-Wall scratchers at 5636 to 5671, 5770 to 5931; 5 Howco centralizers at 5620, 5710, 5840, 5880, and 5920. Cemented with 300 sacks Ideal bulk cement with 2 percent gel. Bumped plug with 1000#. Float would not hold. Pipe rotated free throughout cementing. Plug down at 1:12 P.M., 6-3-55.

COMPLETION: Ran 2 3/8" tubing to 5872.80'. Displaced mud with water, water with oil. Perforated "C" Zone 5920' to 5925'. 5 jet per foot with Lane Wells 1 3/4" gun. Ran through tubing 30 minutes. TSIP 300 pounds; CP 300 pounds. Open to pit 4 hours. Flow decreased to small stream, tested in test tank, flow rate open flow 68 BOPD, no water, circulated clean oil out of tubing, no water. Pumped clean oil in formation 8 gallons per minute at 2500 pounds pressure. Tested 12 hours open flow, flow rate 86 BOPD, no water. TFP 0, CP 25. Last 2 hour test before MCA treatment flow rate 80 BOPD, no water. TFP 0 pounds, CP 25 pounds. Treated with 500 gallons Howco MCA, 1900 pounds maximum pressure. Injection rate 2 BPM 1400 pounds maximum pressure. Flowed MCA to surface, 10 minutes. 85 percent salt water. Followed MCA increased to 92 percent. Chlorides 34,000 PPM. Conditioned mud 10.4 to kill well. Ran Howco type C producing packer set at 5895'. Would not set lower, displaced mud with water, water with oil, broke formation with oil 1400 pounds pressure DOC squeezed with 100 sacks slo-set cement. Maximum pressure 1400 pounds. Held 30 sacks in formation, reversed out 70 sacks. Job complete 7:00 P.M., 6-8-55. Stung back into packer and swabbed approximately 15 bbls. of displacement oil. Swabbing machine broke down. Attempted to run Lane Wells 1 3/4" tubing gun, it stopped at 5400'. Apparently on DOC slurry. Circulated out oil and DOC slurry. Went in hole with 1 3/4" tubing gun. Would not go to bottom through tubing. Drilled out packer to 5928'. Perforated C Zone 5920' to 5927.5' with 40 bullets with Lane Wells 1 3/4" gun. Swabbed. Ran tubing. Displaced mud with water, water with oil. Flowed small stream size of pencil. Swabbed 57 bbls. of displacement oil showing small amount of gas while pulling swab. No water. Swabbed down to 5000'. Set 1 hour, no fluid rise. Loaded hole with oil. Pressured up with 3200 pounds. Pressure held for 30 minutes formation would not take fluid. Re-perforated C Zone 5917.5' to 5927.5' with Lane Wells 1 3/4" gun through tubing with 5 jts. per foot. Pressured up to 3300 pounds. Formation would not take fluid. Acidized C 5917.5' to 5927.5' with 250 gallons.

COMPLETION DATA (Con't)

Dowel regular 15 percent acid, maximum pressure 2000 pounds. Injected 1/2 bbl. acid in formation after soaking 90 minutes. No formation break. Flowed unspent acid to surface 115 minutes. Flowed acid and cut oil 30 minutes. Reversed out tubing to clean. Flowed at the rate of 206 bbls. of fluid in 24 hours with an average water cut of 5 percent with 150 pounds TFP and 175 pounds CFP on a 1/4" choke. CSTP 875 pounds, TSIP 850 pounds.

ELECTRO LOG DATA

TYPE OF LOG

INTERVAL LOGGED

Schlumberger Electrical Survey 2"-----1057'-5931'
Schlumberger Electrical Survey 5"-----2000'-5931'
Schlumberger Microlog 5"-----2000'-5929'
Schlumberger Microlog 25"-----5400'-5929'

LOG TOPS

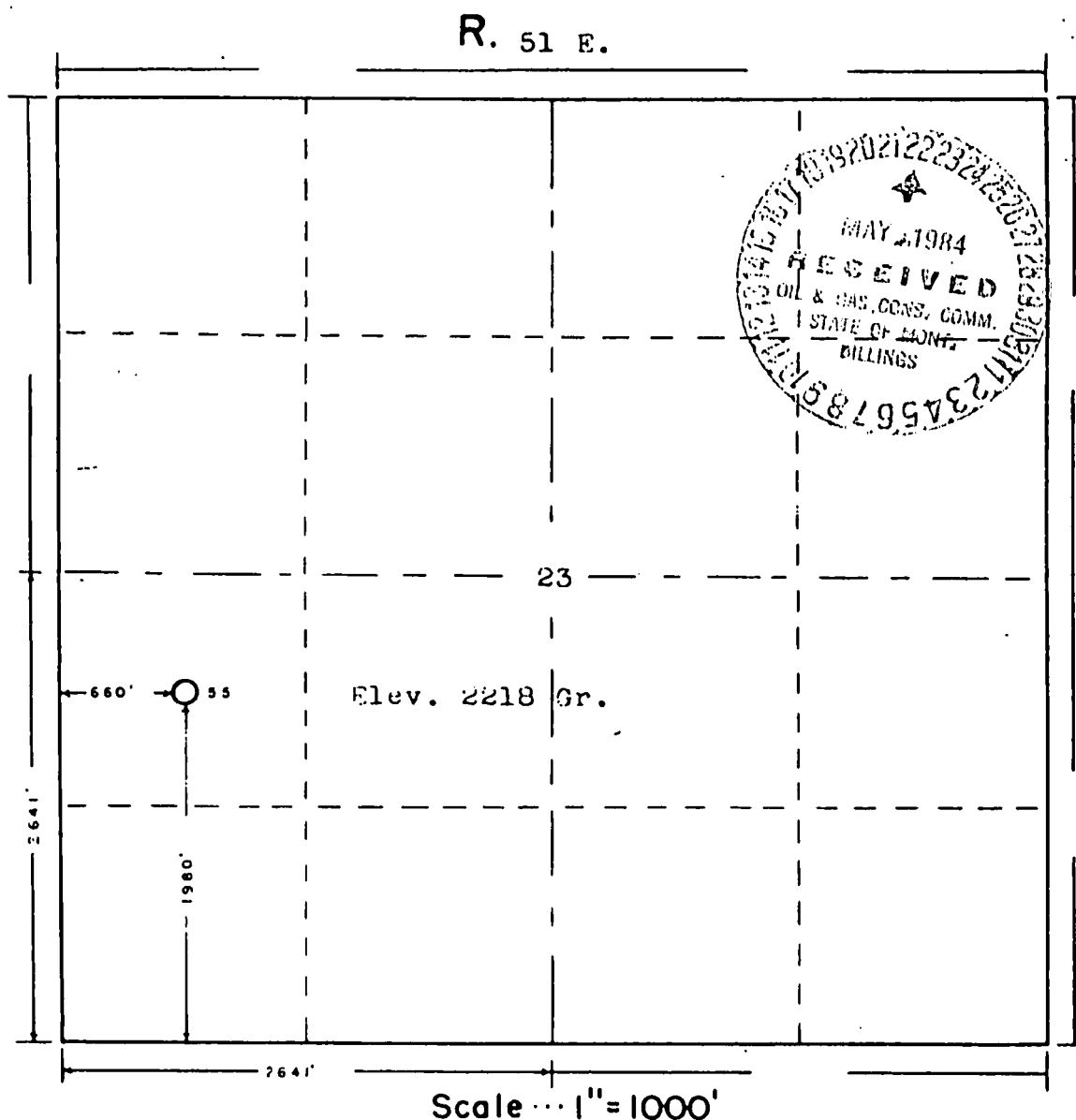
Eagle-----1257 (+ 973)
Niobrara-----2133 (+ 97)
Greenhorn-----2474 (- 244)
Graneros-----2687 (- 457)
Muddy Sandstone-----3050 (- 820)
Dakota Silt-----3264 (-1034)
Swift-----3773 (-1543)
Vanguard-----4052 (-1822)
Rierdon-----4236 (-2006)
Piper Shale-----4422 (-2192)
Piper Limestone-----4494 (-2264)
Gypsum Springs-----4553 (-2323)
Spearfish-----4758 (-2528)
Amsden-----4864 (-2634)
Heath-----4994 (-2764)
Otter-----5149 (-2919)
Kibbey Sandstone-----5287 (-3057)
Kibbey Limestone-----5445 (-3215)
Madison-----5533 (-3303)

=====

D R I L L S T E M T E S T S

=====

- D.S.T. #1: 5641'-5655' straddle packers 1/2" choke, no WC, tool open 3 hours, closed 20 minutes, tool open with weak blow, died in 1 hour and 40 minutes, recovered 30' salt water, very slight show oil; 270' salt water. IHFP--15#; FHFP--130#; BHSIP--2450#; Hydro--3090#. Bottom packer held.
- D.S.T. #2: "B-2" Zone, 5785'-5800', single packer 1/2" bottom choke, no WC, tool open 4 hours, closed 20 minutes, tool opened with good blow continued throughout test. Recovered 3400' salt water. IHFP--15#; FHFP--1552#; BHSIP--2745#; Hydro--3140#; Conditioned hole.
- D.S.T. #3: "B-1" Zone, 5772'-5782', straddle packers 1/2" bottom choke, no WC. Tool open 4 hours, closed 30 minutes, tool open with weak blow for 150 minutes, dead rest of test. Recovered 180' slightly oil cut mud, no free water, IHFP--15#; FHFP--54#; BHSIP--610#; Hydro--3130#.
- D.S.T. #4: 5924-5937, 1/2" bottom choke, no WC. Tool open 160 minutes, closed 30 minutes, gas to surface 45 minutes, oil and gas cut mud 145 minutes, flowed oil and gas out mud 10 minutes. Clean oil 5 minutes. Recovered 5410' clean oil, 500' oil and gas cut mud, 210' salt water. IHFP--100#; FHFP--2248#; BHSIP--3018#; Hydro--3385#.



Powers Elevation Company of Casper, Wyoming
 has in accordance with a request from **Harold Milam**
 for **Murphy Corp.** **determined the**

Location of #55 East Poplar Unit
 to be C-NW SW **Section 23 Township 28' N.**
Range 51 E., Montana Principal Meridian
Roosevelt County, Mont.

The above Plat shows the location of the well site
in said section.

Powers Elevation Company
 by: *Danell T. White*

Date: 5/11/55

Registered Land Surveyor

MURPHY 55

812

Form No. 4
(Gen. Rule 206.3 & 231)

LOCATE WELL CORRECTLY

RECEIVED

(SUBMIT IN TRIPLICATE)
TO

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

RECEIVED

JUN 30 1955

JUL 1 1955
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

LOG OF WELL

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA - BILLINGS

Company MURPHY CORPORATION Lease E.P.U. (BLM-A 012245) Well No. 55

Address B-13 Behner Bldg, Billings, Montana Field (or Area) East Poplar Unit

The well is located 1980 ft. from (S) line and 660 ft. from (W) line of Sec. 23

Sec. 23; T. 28N; R. 51E; County Roosevelt; Elevation 2230' K.B.
(D.F., R.B. or G.L.)

Commenced drilling May 13, 1955; Completed June 14, 1955

The information given herewith is a complete and correct record of the well. The summary on this page is for the condition of the well at the above date.

Completed as oil well
(oil well, gas well, dry hole)

Signed Harold Milan

Title Division Production Superintendent

Date June 28, 1955

IMPORTANT ZONES OF POROSITY

(denote oil by O, gas by G, water by W; state formation if known)

From <u>5917.5</u> to <u>5927.5 (O)</u>	From _____ to _____
From _____ to _____	From _____ to _____
From _____ to _____	From _____ to _____
From _____ to _____	From _____ to _____

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sacks of Cement	Cut and Pulled from
9-5/8"	36#	J-55	8	1058.11'			400	
5-1/2"	15.50#	J-55	8	5932.50'			300	

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
2-3/8"	4.60	J-55	8	5872.80'	open ended

COMPLETION RECORD

Rotary tools were used from 0 to 5937'
Cable tools were used from --- to ---
Total depth 5937 ft.; Plugged back to 5928 T.D.; Open hole from _____ to _____

PERFORATIONS

ACIDIZED, SHOT, SAND FRACED, CEMENTED

Interval			Interval		Amount of Material Used	Pressure
From	To	Number and Size and Type	From	To		
5917.5'	5927.5'	1/2" jet	5917.5'	5927.5'	200 gallons acid	2000#

(If P&A show plugs above)

INITIAL PRODUCTION

Well is producing from Madison (pool) formation.

I. P. 196 barrels of oil per 24 hours flowing
(pumping or flowing)

Negligible Mcf of gas per _____ hours.
10 barrels of water per 24 hours, or _____ % W.C.

(OVER)

good form

INITIAL PRODUCTION—(Continued)

Initial 10-day average production 108.40 (bbl./day) (if taken)
 Pressures (if measured): Tubing 150 psi flowing; 850 psi shut-in
 Casing 175 psi flowing; 875 psi shut-in
 Gravity 40.4 ° API (corrected to 60° F.)

DRILL STEM TESTS

D.S.T. No.	From	To	Tool Open (Min.)	Shut-In	F.P.	S.I.P.	Recovery	Cushion
1	5641	5655	180	20	130	2450	30' salt water, slight show of oil, 270' salt water	
2	5785	5800	240	20	1552	2745	3400' salt water	
3	5772	5782	240	30	54	610	180' slightly oil-cut mud	
4	5924	5937	160	30	2248	3018	5410' clean oil, 500' oil-gas-cut mud, 210' salt water	

LOGS RUN

Type	Intervals	
	From	To
Schlumberger Electrical Log 2"	1057'	5931'
Schlumberger Electrical Log 5"	2000'	5931'
Schlumberger Microlog 5"	2000'	5929'
Schlumberger Microlog 25"	5400'	5929'

FORMATION RECORD

From	To	SAMPLE AND CORE NO. AND DESCRIPTION	Top of Formation
		SEE ATTACHED SHEETS	